Gene No.	96530	Strand	-
Start	1	End	8470
Name	OJ000301_14.0330.C8.o1.np	Method	AAT/NAP
Start	1	End	2516
GI	4680203	Score	1450
Exons	1..1237, 2498..2516		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	45614	Seq. ID	OJ000301_14.0330.C8
Gene No.	96530	Strand	-
Start	1	End	8470
Name	OJ000301_14.0330.C8.o3.tw	Method	TBLASTX:Wheat
Start	3	End	317
GI	none	Score	289
Exons	3..317, 11..316		

Seq. No.	45614	Seq. ID	OJ000301_14.0330.C8
Gene No.	96530	Strand	-
Start	1	End	8470
Name	OJ000301_14.0330.C8.o1.gs	Method	GENSCAN
Start	7	End	8289
GI	none	Score	.73
Exons	7..597, 779..872, 878..1237, 2838..2952, 3122..3387, 7274..7428, 7752..7795, 8243..8289		

Seq. No.	45614	Seq. ID	OJ000301_14.0330.C8
Gene No.	96530	Strand	-
Start	1	End	8470
Name	OJ000301_14.0330.C8.o3.tm	Method	TBLASTX:Maize
Start	57	End	445
GI	none	Score	142
Exons	57..317, 59..340, 356..445		

Seq. No.	45614	Seq. ID	OJ000301_14.0330.C8
Gene No.	96530	Strand	-
Start	1	End	8470
Name	OJ000301_14.0330.C8.o1.tc	Method	TBLASTX:Cress
Start	104	End	452
GI	none	Score	87
Exons	104..445, 108..251, 300..452		

Seq. No.	45614	Seq. ID	OJ000301_14.0330.C8
Gene No.	96530	Strand	-
Start	1	End	8470
Name	OJ000301_14.0330.C8.o2.ts	Method	TBLASTX:Soybean
Start	185	End	605
GI	none	Score	102
Exons	185..481, 203..427, 476..538, 531..605, 539..604		

Seq. No.	45614	Seq. ID	OJ000301_14.0330.C8
Gene No.	96530	Strand	-
Start	1	End	8470
Name	OJ000301_14.0330.C8.o5.tw	Method	TBLASTX:Wheat
Start	535	End	922
GI	none	Score	60
Exons	535..612, 545..655, 546..605, 606..797, 610..789, 629..796, 794..922, 795..872		

Seq. No.	45614	Seq. ID	OJ000301_14.0330.C8
Gene No.	96530	Strand	-
Start	1	End	8470
Name	OJ000301_14.0330.C8.o2.gp	Method	AAT/GAP
Start	7252	End	8470
GI	286418	Score	595
Exons	7252..7432, 7497..7607, 7752..7795, 8426..8470		

Seq. No.	45614	Seq. ID	OJ000301_14.0330.C8
Gene No.	96531	Strand	
Start	11908	End	12496
Name	OJ000301_14.0330.C8.o1.tw	Method	TBLASTX:Wheat
Start	11908	End	12496
GI	none	Score	193
Exons	11908..12114, 11925..12089, 11950..12096, 12105..12479, 12120..12281, 12124..12480, 12320..12496		

Seq. No.	45614	Seq. ID	OJ000301_14.0330.C8
Gene No.	96531	Strand	
Start	11908	End	12496
Name	OJ000301_14.0330.C8.o4.tm	Method	TBLASTX:Maize
Start	11911	End	12147
GI	none	Score	257
Exons	11911..12147, 11913..12134		

Seq. No.	45614	Seq. ID	OJ000301_14.0330.C8
Gene No.	96531	Strand	
Start	11908	End	12496
Name	OJ000301_14.0330.C8.o3.ts	Method	TBLASTX:Soybean
Start	11964	End	12351
GI	none	Score	131
Exons	11964..12089, 11965..12096, 12130..12351		

Seq. No.	45614	Seq. ID	OJ000301_14.0330.C8
Gene No.	96532	Strand	
Start	12862	End	13374
Name	OJ000301_14.0330.C8.o2.tw	Method	TBLASTX:Wheat
Start	12862	End	13344
GI	none	Score	353
Exons	12862..13143, 12870..13130, 12910..13131, 13136..13321, 13150..13344, 13161..13316		

Seq. No.	45614	Seq. ID	OJ000301_14.0330.C8
Gene No.	96532	Strand	
Start	12862	End	13374
Name	OJ000301_14.0330.C8.o1.ts	Method	TBLASTX:Soybean
Start	12913	End	13374
GI	none	Score	214
Exons	12913..13200, 12945..13178, 13174..13374		

Seq. No.	45614	Seq. ID	OJ000301_14.0330.C8
Gene No.	96532	Strand	
Start	12862	End	13374
Name	OJ000301_14.0330.C8.o2.tm	Method	TBLASTX:Maize
Start	13099	End	13362
GI	none	Score	307

Exons	13099..13362, 13104..13313, 13108..13344		
Seq. No.	45614	Seq. ID	OJ000301_14.0330.C8
Gene No.	96533	Strand	
Start	13402	End	13721
Name	OJ000301_14.0330.C8.o6.tw	Method	TBLASTX:Wheat
Start	13402	End	13631
GI	none	Score	126
Exons	13402..13554, 13530..13631, 13559..13627		
Seq. No.	45614	Seq. ID	OJ000301_14.0330.C8
Gene No.	96533	Strand	
Start	13402	End	13721
Name	OJ000301_14.0330.C8.o5.tm	Method	TBLASTX:Maize
Start	13474	End	13721
GI	none	Score	60
Exons	13474..13551, 13542..13589, 13572..13721, 13580..13720		
Seq. No.	45614	Seq. ID	OJ000301_14.0330.C8
Gene No.	96534	Strand	
Start	13677	End	14213
Name	OJ000301_14.0330.C8.o4.tw	Method	TBLASTX:Wheat
Start	13677	End	14159
GI	none	Score	393
Exons	13677..14159, 13772..14155		
Seq. No.	45614	Seq. ID	OJ000301_14.0330.C8
Gene No.	96534	Strand	
Start	13677	End	14213
Name	OJ000301_14.0330.C8.o1.tm	Method	TBLASTX:Maize
Start	13746	End	14213
GI	none	Score	401
Exons	13746..14213, 13817..14170		
Seq. No.	45615	Seq. ID	OJ000301_14.0330.C9
Gene No.	96535	Strand	+
Start	1	End	1631
Name	OJ000301_14.0330.C9.o1.np	Method	AAT/NAP
Start	1	End	1631
GI	6705984	Score	2858
Exons	1..1631		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	45615	Seq. ID	OJ000301_14.0330.C9
Gene No.	96535	Strand	+
Start	1	End	1631
Name	OJ000301_14.0330.C9.o1.gs	Method	GENSCAN
Start	47	End	1525
GI	none	Score	.49
Exons	47..1525		
Seq. No.	45615	Seq. ID	OJ000301_14.0330.C9
Gene No.	96535	Strand	+
Start	1	End	1631
Name	OJ000301_14.0330.C9.o1.ts	Method	TBLASTX:Soybean
Start	58	End	314
GI	none	Score	343

Exons	58..312, 61..297, 84..314		
Seq. No.	45615	Seq. ID	OJ000301_14.0330.C9
Gene No.	96535	Strand	+
Start	1	End	1631
Name	OJ000301_14.0330.C9.o3.tm	Method	TBLASTX:Maize
Start	121	End	474
GI	none	Score	269
Exons	121..474, 372..461		
Seq. No.	45615	Seq. ID	OJ000301_14.0330.C9
Gene No.	96535	Strand	+
Start	1	End	1631
Name	OJ000301_14.0330.C9.o1.tw	Method	TBLASTX:Wheat
Start	234	End	660
GI	none	Score	359
Exons	234..659, 234..659, 235..660,	235..660	
Seq. No.	45615	Seq. ID	OJ000301_14.0330.C9
Gene No.	96535	Strand	+
Start	1	End	1631
Name	OJ000301_14.0330.C9.o2.ts	Method	TBLASTX:Soybean
Start	319	End	518
GI	none	Score	155
Exons	319..423, 333..431, 427..513,	429..518	
Seq. No.	45615	Seq. ID	OJ000301_14.0330.C9
Gene No.	96535	Strand	+
Start	1	End	1631
Name	OJ000301_14.0330.C9.o1.tc	Method	TBLASTX:Cress
Start	606	End	975
GI	none	Score	455
Exons	606..974, 613..975, 682..975		
Seq. No.	45615	Seq. ID	OJ000301_14.0330.C9
Gene No.	96535	Strand	+
Start	1	End	1631
Name	OJ000301_14.0330.C9.o1.tm	Method	TBLASTX:Maize
Start	693	End	1042
GI	none	Score	515
Exons	693..1037, 694..1038, 700..1038, 878..1042		
Seq. No.	45615	Seq. ID	OJ000301_14.0330.C9
Gene No.	96535	Strand	+
Start	1	End	1631
Name	OJ000301_14.0330.C9.o3.tw	Method	TBLASTX:Wheat
Start	787	End	1146
GI	none	Score	431
Exons	787..1146, 792..1136, 829..1140		
Seq. No.	45615	Seq. ID	OJ000301_14.0330.C9
Gene No.	96535	Strand	+
Start	1	End	1631
Name	OJ000301_14.0330.C9.o3.ts	Method	TBLASTX:Soybean
Start	835	End	1110
GI	none	Score	84
Exons	835..900, 841..915, 927..989,	928..1110, 955..1110	

Seq. No.	45615	Seq. ID	OJ000301_14.0330.C9
Gene No.	96535	Strand	+
Start	1	End	1631
Name	OJ000301_14.0330.C9.o4.tm	Method	TBLASTX:Maize
Start	1045	End	1338
GI	none	Score	221
Exons	1045..1338		

Seq. No.	45615	Seq. ID	OJ000301_14.0330.C9
Gene No.	96535	Strand	+
Start	1	End	1631
Name	OJ000301_14.0330.C9.o2.tw	Method	TBLASTX:Wheat
Start	1177	End	1575
GI	none	Score	558
Exons	1177..1575, 1179..1568, 1201..1569		

Seq. No.	45615	Seq. ID	OJ000301_14.0330.C9
Gene No.	96535	Strand	+
Start	1	End	1631
Name	OJ000301_14.0330.C9.o2.tm	Method	TBLASTX:Maize
Start	1342	End	1616
GI	none	Score	347
Exons	1342..1614, 1344..1616		

Seq. No.	45616	Seq. ID	OJ000301_14.0330.C10
Gene No.	96536	Strand	+
Start	1	End	335
Name	OJ000301_14.0330.C10.o1.np	Method	AAT/NAP
Start	1	End	335
GI	5852172	Score	134
Exons	1..67, 175..335		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	45616	Seq. ID	OJ000301_14.0330.C10
Gene No.	96536	Strand	+
Start	1	End	335
Name	OJ000301_14.0330.C10.o1.gs	Method	GENSCAN
Start	175	End	297
GI	none	Score	.76
Exons	175..297		

Seq. No.	45616	Seq. ID	OJ000301_14.0330.C10
Gene No.	96537	Strand	-
Start	827	End	1186
Name	OJ000301_14.0330.C10.o2.gs	Method	GENSCAN
Start	827	End	1019
GI	none	Score	.9
Exons	827..1019		

Seq. No.	45616	Seq. ID	OJ000301_14.0330.C10
Gene No.	96537	Strand	-
Start	827	End	1186
Name	OJ000301_14.0330.C10.o1.gp	Method	AAT/GAP
Start	846	End	1186
GI	25792_1.R1084	Score	634
Exons	846..1186		

GI Descrip.	'4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		
Seq. No.	45616	Seq. ID	OJ000301_14.0330.C10
Gene No.	96537	Strand	-
Start	827	End	1186
Name	OJ000301_14.0330.C10.o1.tm	Method	TBLASTX:Maize
Start	891	End	1185
GI	none	Score	107
Exons	891..1040, 892..1053, 920..949, 945..1040, 1018..1185, 1035..1067, 1104..1169, 1124..1183		
Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96538	Strand	+
Start	242	End	913
Name	OJ000301_16.0330.C1.o1.gs	Method	GENSCAN
Start	242	End	913
GI	none	Score	.72
Exons	242..322, 643..718, 870..913		
Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96539	Strand	+
Start	7890	End	12934
Name	OJ000301_16.0330.C1.o2.np	Method	AAT/NAP
Start	7831	End	10608
GI	7206673	Score	345
Exons	7831..8001, 8906..9180, 9270..9357, 9429..9525, 10136..10221, 10312..10431, 10510..10608		
GI Descrip.	(AC006642) contains similarity to Mus musculus putative lysophosphatidic acid acyltransferase (GB:AF015811) [Caenorhabditis elegans]		
Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96539	Strand	+
Start	7890	End	12934
Name	OJ000301_16.0330.C1.o3.gs	Method	GENSCAN
Start	7890	End	12934
GI	none	Score	.83
Exons	7890..7967, 9084..9180, 9270..9357, 9429..9525, 10136..10221, 10312..10431, 10510..10608, 10721..10795, 11799..12001, 12006..12325, 12845..12934		
Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96539	Strand	+
Start	7890	End	12934
Name	OJ000301_16.0330.C1.o1.gp	Method	AAT/GAP
Start	8639	End	10360
GI	18818_1.R1084	Score	844
Exons	8639..8741, 9084..9180, 9270..9357, 9429..9525, 10136..10221, 10312..10360		
GI Descrip.	'2317725 3.0e-25 (AF015811) putative lysophosphatidic acid acyltransferase [Mus musculus]'		
Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96539	Strand	+
Start	7890	End	12934
Name	OJ000301_16.0330.C1.o2.gp	Method	AAT/GAP

Start	10505	End	11032
GI	none	Score	804
Exons	10505..10608, 10717..11032		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96540	Strand	+
Start	21957	End	22621
Name	OJ000301_16.0330.C1.o6.np	Method	AAT/NAP
Start	21957	End	22621
GI	7484649	Score	353
Exons	21957..22621		
GI Descrip.	reverse transcriptase - beet retrotransposon (fragment) gi|2462134|emb|CAA73798.1| (Y13368) reverse transcriptase [Beta vulgaris]		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96541	Strand	-
Start	193	End	6362
Name	OJ000301_16.0330.C1.o1.np	Method	AAT/NAP
Start	193	End	6167
GI	6714472	Score	899
Exons	193..213, 1808..2545, 3107..3245, 3470..3632, 3842..3952, 3989..4116, 4830..4905, 5620..6167		
GI Descrip.	(AC008261) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96541	Strand	-
Start	193	End	6362
Name	OJ000301_16.0330.C1.o2.gs	Method	GENSCAN
Start	1457	End	6362
GI	none	Score	.61
Exons	1457..1685, 1825..2549, 3117..3245, 3470..3632, 3842..4116, 4830..4946, 5721..6362		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96542	Strand	-
Start	11736	End	12711
Name	OJ000301_16.0330.C1.o3.np	Method	AAT/NAP
Start	11736	End	12711
GI	7267282	Score	366
Exons	11736..12314, 12611..12711		
GI Descrip.	(AL161503) putative protein [Arabidopsis thaliana]		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o2.tm	Method	TBLASTX:Maize
Start	1824	End	2224
GI	none	Score	85
Exons	1824..1940, 1825..1887, 1829..1963, 1945..2073, 1946..2095, 1977..2096, 1979..2146, 2084..2224, 2084..2176		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o1.tw	Method	TBLASTX:Wheat
Start	1899	End	2284

GI	none	Score	52
Exons	1899..1940, 1970..2017, 1981..2016, 2020..2073, 2021..2227, 2021..2176, 2125..2208, 2213..2284		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o6.tm	Method	TBLASTX:Maize
Start	2228	End	3623
GI	none	Score	52
Exons	2228..2299, 2261..2458, 2274..2459, 2334..2465, 2342..2479, 2468..2527, 2488..2553, 3114..3248, 3117..3245, 3470..3622, 3471..3623		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o8.tm	Method	TBLASTX:Maize
Start	5871	End	6104
GI	none	Score	156
Exons	5871..5903, 5929..6069, 5940..6104, 5944..6084		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o7.tm	Method	TBLASTX:Maize
Start	6681	End	9355
GI	none	Score	165
Exons	6681..6788, 6705..6815, 6922..6981, 6923..6985, 6963..6998, 7840..7986, 7846..7968, 7848..7985, 8410..8484, 8411..8494, 8418..8513, 8640..8744, 8643..8741, 8645..8749, 8645..8743, 9077..9181, 9081..9182, 9082..9210, 9082..9180, 9083..9181, 9268..9351, 9269..9355, 9269..9352		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o4.ts	Method	TBLASTX:Soybean
Start	6926	End	8470
GI	none	Score	67
Exons	6926..6979, 7797..7967, 7840..7986, 7843..7968, 8411..8470		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o1.ts	Method	TBLASTX:Soybean
Start	8637	End	9513
GI	none	Score	159
Exons	8637..8744, 8643..8714, 8654..8734, 9063..9182, 9080..9187, 9081..9182, 9268..9363, 9269..9358, 9411..9500, 9427..9513		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o2.tc	Method	TBLASTX:Cress
Start	9132	End	10357
GI	none	Score	54

Exons	9132..9182, 9241..9363, 9269..9358, 9411..9524, 9427..9519, 10121..10222, 10123..10221, 10310..10357, 10312..10356		
Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o1.tm	Method	TBLASTX:Maize
Start	9424	End	10876
GI	none	Score	38
Exons	9424..9453, 9436..9453, 9456..9482, 9460..9483, 9462..9524, 9463..9519, 9474..9548, 9482..9613, 10121..10222, 10123..10221, 10310..10432, 10312..10431, 10507..10608, 10508..10609, 10715..10792, 10850..10876		
Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o3.ts	Method	TBLASTX:Soybean
Start	10339	End	10623
GI	none	Score	129
Exons	10339..10431, 10340..10432, 10507..10623, 10508..10609		
Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o5.tm	Method	TBLASTX:Maize
Start	11711	End	12137
GI	none	Score	76
Exons	11711..11839, 11736..11993, 11737..11991, 11934..12137, 11935..12060, 11985..12134		
Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o9.tm	Method	TBLASTX:Maize
Start	12155	End	12307
GI	none	Score	151
Exons	12155..12307, 12156..12305		
Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o4.gs	Method	GENSCAN
Start	13372	End	15723
GI	none	Score	.66
Exons	13372..13523, 13946..14078, 14120..14283, 14667..14847, 14959..15150, 15490..15723		
Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o3.tm	Method	TBLASTX:Maize
Start	13865	End	15004
GI	none	Score	103
Exons	13865..13957, 13875..13973, 14003..14158, 14021..14143, 14192..14290, 14193..14288, 14665..14823, 14666..14842, 14963..15004		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o1.tc	Method	TBLASTX:Cress
Start	13871	End	15627
GI	none	Score	84
Exons	13871..14296, 13875..13979, 14052..14144, 14193..14288, 14665..14829, 14666..14812, 14965..15153, 14972..15151, 15490..15627		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o4.np	Method	AAT/NAP
Start	13874	End	15699
GI	7433054	Score	727
Exons	13874..14283, 14667..14829, 14956..15150, 15490..15699		
GI Descrip.	peroxidase (EC 1.11.1.7) ATP19a - Arabidopsis thaliana gi|5596475|emb|CAB51413.1| (AL096882) peroxidase ATP19a [Arabidopsis thaliana] gi|7267828|emb|CAB81230.1| (AL161531) peroxidase ATP19a [Arabidopsis thaliana]		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o2.ts	Method	TBLASTX:Soybean
Start	13874	End	15627
GI	none	Score	77
Exons	13874..14140, 13878..13970, 14156..14296, 14193..14291, 14665..14829, 14965..15117, 14972..15103, 15118..15153, 15490..15627		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o3.gp	Method	AAT/GAP
Start	14666	End	15205
GI	20585_1.R1084	Score	773
Exons	14666..14847, 14959..15205		
GI Descrip.	'295355 1.0e-19 (L13653) peroxidase [Lycopersicon esculentum]'		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o2.tw	Method	TBLASTX:Wheat
Start	14963	End	15627
GI	none	Score	149
Exons	14963..15103, 14965..15102, 15118..15153, 15490..15627, 15491..15619		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96543	Strand	-
Start	13372	End	17757
Name	OJ000301_16.0330.C1.o5.np	Method	AAT/NAP
Start	15133	End	17757
GI	4539658	Score	101

Exons	15133..15159, 17537..17757		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	45617	Seq. ID	OJ000301_16.0330.C1
Gene No.	96544	Strand	
Start	22241	End	22938
Name	OJ000301_16.0330.C1.o4.tm	Method	TBLASTX:Maize
Start	22241	End	22938
GI	none	Score	285
Exons	22241..22669, 22303..22458, 22486..22665, 22703..22738, 22713..22784, 22867..22938		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96545	Strand	+
Start	10675	End	23642
Name	OJ000301_16.0330.C2.o3.gs	Method	GENSCAN
Start	10675	End	23642
GI	none	Score	.42
Exons	10675..10844, 11422..11502, 12001..12328, 12363..12473, 12915..13044, 13555..13631, 14119..14207, 14266..14290, 15568..15628, 17495..17555, 20891..21023, 21182..21337, 21491..21560, 21842..22031, 22744..22884, 23546..23642		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96545	Strand	+
Start	10675	End	23642
Name	OJ000301_16.0330.C2.o1.gp	Method	AAT/GAP
Start	20784	End	21286
GI	702818	Score	599
Exons	20784..21023, 21182..21286		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96546	Strand	+
Start	27634	End	28471
Name	OJ000301_16.0330.C2.o5.gs	Method	GENSCAN
Start	27634	End	28471
GI	none	Score	.63
Exons	27634..27657, 27806..28471		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96547	Strand	+
Start	31572	End	31691
Name	OJ000301_16.0330.C2.o3.gp	Method	AAT/GAP
Start	31572	End	31691
GI	LIB3431-040-P1-K2-C1	Score	185
Exons	31572..31691		
GI Descrip.	'114521/sp|P12084|ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa].'		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96548	Strand	+
Start	36458	End	38072
Name	OJ000301_16.0330.C2.o7.gs	Method	GENSCAN

Start	36458	End	38072
GI	none	Score	.69
Exons	36458..36472, 37491..37629, 37954..38072		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96549	Strand	+
Start	39557	End	40774
Name	OJ000301_16.0330.C2.o8.gs	Method	GENSCAN
Start	39557	End	40774
GI	none	Score	.84
Exons	39557..40774		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96549	Strand	+
Start	39557	End	40774
Name	OJ000301_16.0330.C2.o4.gp	Method	AAT/GAP
Start	39967	End	40439
GI	5038711	Score	893
Exons	39967..40439		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96550	Strand	+
Start	41548	End	41937
Name	OJ000301_16.0330.C2.o5.gp	Method	AAT/GAP
Start	41548	End	41937
GI	none	Score	715
Exons	41548..41937		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96551	Strand	+
Start	42348	End	59669
Name	OJ000301_16.0330.C2.o9.gs	Method	GENSCAN
Start	42348	End	59669
GI	none	Score	.74
Exons	42348..42364, 43264..43445, 43518..43711, 44047..44238, 44308..44616, 45647..45865, 47499..47756, 48454..48543, 50999..51113, 51570..51757, 53050..53203, 53288..53312, 53845..53946, 53982..54169, 54502..54551, 55419..55508, 55657..55786, 56384..56458, 57866..58000, 59002..59076, 59162..59373, 59465..59518, 59625..59669		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96551	Strand	+
Start	42348	End	59669
Name	OJ000301_16.0330.C2.o6.gp	Method	AAT/GAP
Start	43698	End	44614
GI	47746_1.R1084	Score	1043
Exons	43698..43789, 44047..44238, 44344..44614		
GI Descrip.	'20237/emb|X51910|OSGOS2G 0.0e+00 O.sativa (rice) constitutive GOS2 gene'		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96551	Strand	+
Start	42348	End	59669
Name	OJ000301_16.0330.C2.o7.gp	Method	AAT/GAP
Start	57921	End	58638
GI	5455455	Score	1402

Exons	57921..58638		
GI Descrip.	20237/emb|X51910|OSGOS2G 0.0e+00 O.sativa (rice) constitutive GOS2 gene		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96551	Strand	+
Start	42348	End	59669
Name	OJ000301_16.0330.C2.o8.np	Method	AAT/NAP
Start	59040	End	59666
GI	462195	Score	503
Exons	59040..59076, 59162..59373, 59465..59518, 59625..59666		
GI Descrip.	PROTEIN TRANSLATION FACTOR SUI1 HOMOLOG (GOS2 PROTEIN) gi|100682|pir||S21636 GOS2 protein - rice gi|20238|emb|CAA36190| (X51910) GOS2 [Oryza sativa] gi|3789950 (AF094774) translation initiation factor [Oryza sativa]		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96552	Strand	-
Start	5038	End	14162
Name	OJ000301_16.0330.C2.o2.gs	Method	GENSCAN
Start	5038	End	10101
GI	none	Score	.42
Exons	5038..5217, 5614..5772, 6904..6997, 7119..7260, 7334..7403, 7710..7925, 8449..8861, 8949..9111, 9591..9785, 9889..10101		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96552	Strand	-
Start	5038	End	14162
Name	OJ000301_16.0330.C2.o1.np	Method	AAT/NAP
Start	8422	End	10101
GI	585661	Score	727
Exons	8422..8861, 8949..9111, 9591..9785, 9889..10101		
GI Descrip.	PEROXIDASE PRECURSOR gi|287401|dbj|BAA03644| (D14997) peroxidase [Oryza sativa]		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96552	Strand	-
Start	5038	End	14162
Name	OJ000301_16.0330.C2.o2.np	Method	AAT/NAP
Start	9035	End	14162
GI	6721516	Score	205
Exons	9035..9062, 10930..11141, 11526..11753, 14086..14162		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96553	Strand	-
Start	25503	End	28133
Name	OJ000301_16.0330.C2.o4.gs	Method	GENSCAN
Start	25503	End	26319
GI	none	Score	.77
Exons	25503..25606, 25692..26319		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96553	Strand	-
Start	25503	End	28133
Name	OJ000301_16.0330.C2.o3.np	Method	AAT/NAP
Start	25506	End	28133

GI	6226452	Score	987
Exons	25506..25606, 25692..26328, 27646..28133		
GI Descrip.	HYPOTHETICAL 43.7 KD PROTEIN F7J7.150 gi|2911078|emb|CAA17540.1| (AL021960) putative protein [Arabidopsis thaliana]		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96553	Strand	-
Start	25503	End	28133
Name	OJ000301_16.0330.C2.o2.gp	Method	AAT/GAP
Start	26080	End	27824
GI	LIB3433-025-P1-K1-F2	Score	780
Exons	26080..26328, 27646..27824		
GI Descrip.	'2911078/emb|CAA17540.1| 2.0e-47 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96554	Strand	-
Start	30330	End	31109
Name	OJ000301_16.0330.C2.o6.gs	Method	GENSCAN
Start	30330	End	31109
GI	none	Score	.47
Exons	30330..30376, 30420..30483, 30607..30699, 30860..30955, 31041..31109		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96555	Strand	-
Start	31352	End	33472
Name	OJ000301_16.0330.C2.o4.np	Method	AAT/NAP
Start	31352	End	33472
GI	7431985	Score	251
Exons	31352..31578, 33426..33472		
GI Descrip.	NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 2 - wheat mitochondrion gi|2326759|emb|CAA74778.1| (Y14433) NADH dehydrogenase subunit 2 [Triticum aestivum]		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96556	Strand	-
Start	37276	End	38276
Name	OJ000301_16.0330.C2.o6.np	Method	AAT/NAP
Start	37276	End	38276
GI	6815053	Score	310
Exons	37276..37726, 38171..38276		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96557	Strand	-
Start	39842	End	42053
Name	OJ000301_16.0330.C2.o7.np	Method	AAT/NAP
Start	39842	End	42053
GI	4454465	Score	225
Exons	39842..39910, 41706..42053		
GI Descrip.	(AC006234) unknown protein [Arabidopsis thaliana]		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96558	Strand	-
Start	59531	End	59893
Name	OJ000301_16.0330.C2.o8.gp	Method	AAT/GAP

Start	59531	End	59893
GI	5455456	Score	699
Exons	59531..59893		
GI Descrip.	20237/emb|X51910|OSGOS2G 0.0e+00 O.sativa (rice) constitutive GOS2 gene		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96559	Strand	-
Start	62114	End	63725
Name	OJ000301_16.0330.C2.o10.gs	Method	GENSCAN
Start	62114	End	63605
GI	none	Score	.83
Exons	62114..62528, 62922..63124, 63216..63316, 63395..63605		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96559	Strand	-
Start	62114	End	63725
Name	OJ000301_16.0330.C2.o9.np	Method	AAT/NAP
Start	62120	End	63599
GI	6554196	Score	828
Exons	62120..62512, 62921..63124, 63216..63322, 63389..63599		
GI Descrip.	(AC011661) T23J18.21 [Arabidopsis thaliana]		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96559	Strand	-
Start	62114	End	63725
Name	OJ000301_16.0330.C2.o9.gp	Method	AAT/GAP
Start	63006	End	63725
GI	70518_1.R1084	Score	971
Exons	63006..63124, 63216..63316, 63395..63725		
GI Descrip.	'1498168/dbj|BAA13163| 2.0e-14 (D86730) endoxyloglucan transferase related protein [Nicotiana tabacum]'		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o8.tm	Method	TBLASTX:Maize
Start	8416	End	9752
GI	none	Score	67
Exons	8416..8520, 8424..8519, 8554..8679, 8575..8682, 8728..8874, 8944..9036, 9028..9105, 9597..9752, 9598..9699		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o6.tc	Method	TBLASTX:Cress
Start	8422	End	10023
GI	none	Score	123
Exons	8422..8550, 8536..8679, 8797..8874, 8944..9039, 9016..9120, 9597..9731, 9750..9794, 9889..10023		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o6.ts	Method	TBLASTX:Soybean
Start	8422	End	10023
GI	none	Score	96

Exons	8422..8538, 8545..8652, 8770..8874, 8944..9120, 9597..9731, 9598..9708, 9889..10023		
Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o3.tw	Method	TBLASTX:Wheat
Start	9597	End	10027
GI	none	Score	105
Exons	9597..9734, 9598..9690, 9756..9794, 9889..10023, 9896..10027		
Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o5.ts	Method	TBLASTX:Soybean
Start	21044	End	48533
GI	none	Score	120
Exons	21044..21178, 47522..47743, 47525..47749, 47532..47756, 47556..47756, 48448..48531, 48453..48533		
Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o1.tm	Method	TBLASTX:Maize
Start	25384	End	27739
GI	none	Score	40
Exons	25384..25422, 25384..25407, 25482..25604, 25482..25604, 25484..25606, 25495..25608, 25685..26296, 25693..26328, 25693..26328, 27649..27738, 27653..27739		
Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o8.tc	Method	TBLASTX:Cress
Start	25503	End	25866
GI	none	Score	66
Exons	25503..25607, 25516..25620, 25693..25782, 25795..25866		
Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o4.tc	Method	TBLASTX:Cress
Start	25874	End	26232
GI	none	Score	173
Exons	25874..26053, 25876..26088, 25876..26097, 26122..26232		
Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o7.tc	Method	TBLASTX:Cress
Start	26233	End	28071
GI	none	Score	68
Exons	26233..26328, 26234..26296, 27640..27780, 27647..27775, 27931..28071		
Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-

Start	67348	End	67828
Name	OJ000301_16.0330.C2.o2.tm	Method	TBLASTX:Maize
Start	41620	End	42077
GI	none	Score	99
Exons	41620..41700, 41631..42077, 41688..42077		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o8.ts	Method	TBLASTX:Soybean
Start	41868	End	42033
GI	none	Score	68
Exons	41868..42032, 41929..42033		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o2.tw	Method	TBLASTX:Wheat
Start	43299	End	67800
GI	none	Score	65
Exons	43299..43472, 54043..54108, 67150..67248, 67298..67402, 67339..67401, 67421..67522, 67423..67521, 67592..67702, 67600..67710, 67722..67799, 67723..67800		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o9.tm	Method	TBLASTX:Maize
Start	44174	End	44549
GI	none	Score	91
Exons	44174..44239, 44176..44238, 44179..44244, 44331..44483, 44338..44490, 44344..44493, 44505..44549		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o3.tm	Method	TBLASTX:Maize
Start	45787	End	48504
GI	none	Score	139
Exons	45787..45867, 45787..45864, 45789..45866, 46363..46422, 46364..46423, 46365..46424, 46365..46424, 46366..46425, 47230..47298, 47343..47420, 47344..47406, 47352..47420, 47496..47756, 47496..47756, 47498..47773, 48445..48504, 48448..48504		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o10.tm	Method	TBLASTX:Maize
Start	50356	End	52762
GI	none	Score	69
Exons	50356..50403, 50356..50460, 50358..50459, 52528..52581, 52535..52579, 52536..52583, 52666..52761, 52667..52762		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828

Name	OJ000301_16.0330.C2.o7.ts	Method	TBLASTX:Soybean
Start	52527	End	53352
GI	none	Score	72
Exons	52527..52559, 52528..52581, 52667..52765, 52670..52762, 52672..52767, 52675..52764, 52889..52918, 53116..53202, 53287..53352		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o2.ts	Method	TBLASTX:Soybean
Start	58992	End	59702
GI	none	Score	63
Exons	58992..59075, 59033..59086, 59033..59074, 59168..59365, 59197..59376, 59209..59376, 59462..59530, 59463..59501, 59464..59541, 59465..59542, 59604..59702, 59622..59669, 59624..59671		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o4.tm	Method	TBLASTX:Maize
Start	58994	End	59830
GI	none	Score	34
Exons	58994..59038, 58999..59037, 59001..59039, 59004..59039, 59028..59075, 59030..59077, 59032..59112, 59038..59088, 59115..59375, 59152..59376, 59160..59276, 59161..59373, 59331..59375, 59454..59507, 59462..59518, 59464..59541, 59465..59542, 59604..59726, 59623..59691, 59706..59756, 59783..59830, 59784..59816		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o1.tw	Method	TBLASTX:Wheat
Start	59036	End	59881
GI	none	Score	65
Exons	59036..59074, 59037..59075, 59037..59075, 59160..59276, 59161..59373, 59166..59375, 59331..59375, 59457..59519, 59464..59523, 59464..59541, 59465..59542, 59608..59700, 59622..59780, 59624..59698, 59745..59813, 59783..59809, 59834..59881, 59839..59880		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o5.tc	Method	TBLASTX:Cress
Start	59037	End	59711
GI	none	Score	88
Exons	59037..59075, 59197..59358, 59204..59359, 59209..59376, 59462..59524, 59463..59525, 59465..59530, 59604..59711, 59624..59674		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o3.tc	Method	TBLASTX:Cress

Start	62136	End	62528
GI	none	Score	58
Exons	62136..62300, 62138..62281, 62321..62476, 62322..62477, 62360..62500, 62367..62486, 62480..62527, 62481..62528		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o4.ts	Method	TBLASTX:Soybean
Start	62138	End	63016
GI	none	Score	105
Exons	62138..62278, 62327..62533, 62343..62465, 62921..63016		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o7.tm	Method	TBLASTX:Maize
Start	62156	End	63073
GI	none	Score	127
Exons	62156..62242, 62315..62533, 62322..62534, 62903..63073, 62922..63071		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o1.tc	Method	TBLASTX:Cress
Start	62940	End	63491
GI	none	Score	122
Exons	62940..63125, 62942..63124, 63201..63320, 63202..63309, 63393..63491		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o3.ts	Method	TBLASTX:Soybean
Start	63020	End	63563
GI	none	Score	66
Exons	63020..63124, 63024..63125, 63201..63320, 63202..63309, 63393..63563		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o6.tm	Method	TBLASTX:Maize
Start	63074	End	63588
GI	none	Score	111
Exons	63074..63124, 63166..63309, 63213..63320, 63382..63489, 63393..63491, 63466..63528, 63538..63588		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o10.gp	Method	AAT/GAP
Start	67014	End	67828
GI	1162_1.R1084	Score	1427
Exons	67014..67521, 67600..67828		
GI Descrip.	'2501190/sp|Q41739|TH42_MAIZE 9.0e-69 THIAMINE BIOSYNTHETIC		

ENZYME 1-2 PRECURSOR >gi_2130147_pir__S61420 thiamine biosynthetic enzyme thi1-2 - maize >gi_596080 (U17351) thiamine biosynthetic enzyme [Zea mays]'

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o5.tm	Method	TBLASTX:Maize
Start	67343	End	67827
GI	none	Score	150
Exons	67343..67369, 67369..67521, 67427..67522, 67592..67702, 67600..67710, 67722..67826, 67723..67827		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o1.ts	Method	TBLASTX:Soybean
Start	67348	End	67827
GI	none	Score	101
Exons	67348..67398, 67429..67521, 67430..67534, 67592..67702, 67600..67710, 67722..67826, 67723..67827		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o11.gs	Method	GENSCAN
Start	67348	End	67719
GI	none	Score	.94
Exons	67348..67521, 67600..67719		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o2.tc	Method	TBLASTX:Cress
Start	67348	End	67827
GI	none	Score	38
Exons	67348..67398, 67352..67399, 67426..67521, 67430..67522, 67592..67702, 67600..67710, 67722..67826, 67723..67827		

Seq. No.	45618	Seq. ID	OJ000301_16.0330.C2
Gene No.	96560	Strand	-
Start	67348	End	67828
Name	OJ000301_16.0330.C2.o10.np	Method	AAT/NAP
Start	67351	End	67828
GI	2501190	Score	489
Exons	67351..67521, 67600..67828		
GI Descrip.	THIAMINE BIOSYNTHETIC ENZYME 1-2 PRECURSOR gi|2130147|pir||S61420 thiamin biosynthesis protein thi1-2 - maize gi|596080|gb|AAA96739.1| (U17351) thiamine biosynthetic enzyme [Zea mays]		

Seq. No.	45619	Seq. ID	OJ000301_16.0330.C3
Gene No.	96561	Strand	+
Start	13	End	1100
Name	OJ000301_16.0330.C3.o1.gs	Method	GENSCAN
Start	13	End	1100
GI	none	Score	.66

Exons	13..69, 236..399, 1043..1100		
Seq. No.	45619	Seq. ID	OJ000301_16.0330.C3
Gene No.	96561	Strand	+
Start	13	End	1100
Name	OJ000301_16.0330.C3.o1.np	Method	AAT/NAP
Start	112	End	437
GI	6815099	Score	80
Exons	112..296, 322..437		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	45619	Seq. ID	OJ000301_16.0330.C3
Gene No.	96562	Strand	+
Start	3155	End	3586
Name	OJ000301_16.0330.C3.o2.np	Method	AAT/NAP
Start	3155	End	3586
GI	6006381	Score	354
Exons	3155..3586		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		
Seq. No.	45619	Seq. ID	OJ000301_16.0330.C3
Gene No.	96563	Strand	-
Start	3426	End	3716
Name	OJ000301_16.0330.C3.o2.gs	Method	GENSCAN
Start	3426	End	3716
GI	none	Score	.52
Exons	3426..3716		
Seq. No.	45620	Seq. ID	OJ000301_16.0330.C4
Gene No.	96564	Strand	+
Start	1343	End	1864
Name	OJ000301_16.0330.C4.o1.gs	Method	GENSCAN
Start	1343	End	1864
GI	none	Score	.47
Exons	1343..1401, 1678..1808, 1860..1864		
Seq. No.	45620	Seq. ID	OJ000301_16.0330.C4
Gene No.	96565	Strand	-
Start	2870	End	6689
Name	OJ000301_16.0330.C4.o2.gs	Method	GENSCAN
Start	2870	End	6689
GI	none	Score	.42
Exons	2870..3448, 3530..3797, 4095..4521, 4606..4831, 4913..5425, 5952..6044, 6549..6689		
Seq. No.	45620	Seq. ID	OJ000301_16.0330.C4
Gene No.	96565	Strand	-
Start	2870	End	6689
Name	OJ000301_16.0330.C4.o1.np	Method	AAT/NAP
Start	2873	End	3859
GI	5091610	Score	250
Exons	2873..3234, 3301..3452, 3542..3859		
GI Descrip.	(AC007858) 10A19I.15 [Oryza sativa]		
Seq. No.	45620	Seq. ID	OJ000301_16.0330.C4
Gene No.	96565	Strand	-
Start	2870	End	6689

Name	OJ000301_16.0330.C4.o3.tm	Method	TBLASTX:Maize
Start	3407	End	3817
GI	none	Score	244
Exons	3407..3448, 3530..3817		

Seq. No.	45620	Seq. ID	OJ000301_16.0330.C4
Gene No.	96565	Strand	-
Start	2870	End	6689
Name	OJ000301_16.0330.C4.o2.np	Method	AAT/NAP
Start	3569	End	6418
GI	6967112	Score	433
Exons	3569..3605, 4092..4521, 4606..4831, 4913..4951, 6377..6418		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	45620	Seq. ID	OJ000301_16.0330.C4
Gene No.	96565	Strand	-
Start	2870	End	6689
Name	OJ000301_16.0330.C4.o1.tm	Method	TBLASTX:Maize
Start	4274	End	4834
GI	none	Score	87
Exons	4274..4507, 4305..4511, 4319..4528, 4601..4828, 4620..4826, 4637..4834, 4662..4829		

Seq. No.	45620	Seq. ID	OJ000301_16.0330.C4
Gene No.	96565	Strand	-
Start	2870	End	6689
Name	OJ000301_16.0330.C4.o1.tw	Method	TBLASTX:Wheat
Start	4319	End	4765
GI	none	Score	75
Exons	4319..4426, 4427..4522, 4428..4523, 4637..4765, 4668..4736		

Seq. No.	45620	Seq. ID	OJ000301_16.0330.C4
Gene No.	96565	Strand	-
Start	2870	End	6689
Name	OJ000301_16.0330.C4.o1.ts	Method	TBLASTX:Soybean
Start	4373	End	4831
GI	none	Score	83
Exons	4373..4417, 4421..4522, 4446..4523, 4625..4831		

Seq. No.	45620	Seq. ID	OJ000301_16.0330.C4
Gene No.	96565	Strand	-
Start	2870	End	6689
Name	OJ000301_16.0330.C4.o2.tm	Method	TBLASTX:Maize
Start	4897	End	5239
GI	none	Score	172
Exons	4897..5148, 4910..5239, 4911..5237		

Seq. No.	45621	Seq. ID	OJ000301_13.0330.C1
Gene No.	96566	Strand	+
Start	1	End	973
Name	OJ000301_13.0330.C1.o1.np	Method	AAT/NAP
Start	1	End	973
GI	5091513	Score	1241
Exons	1..973		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	45621	Seq. ID	OJ000301_13.0330.C1

Gene No.	96566	Strand	+
Start	1	End	973
Name	OJ000301_13.0330.C1.o1.gs	Method	GENSCAN
Start	3	End	952
GI	none	Score	1
Exons	3..952		

Seq. No.	45622	Seq. ID	OJ000301_13.0330.C4
Gene No.	96567	Strand	+
Start	1	End	2339
Name	OJ000301_13.0330.C4.o1.np	Method	AAT/NAP
Start	1	End	1621
GI	6957720	Score	546
Exons	1..27, 788..1051, 1298..1621		
GI Descrip.	(AC021640) putative mannose-6-phosphate isomerase [Arabidopsis thaliana]		

Seq. No.	45622	Seq. ID	OJ000301_13.0330.C4
Gene No.	96567	Strand	+
Start	1	End	2339
Name	OJ000301_13.0330.C4.o1.tm	Method	TBLASTX:Maize
Start	734	End	961
GI	none	Score	273
Exons	734..961, 787..960.		

Seq. No.	45622	Seq. ID	OJ000301_13.0330.C4
Gene No.	96567	Strand	+
Start	1	End	2339
Name	OJ000301_13.0330.C4.o1.ts	Method	TBLASTX:Soybean
Start	768	End	1612
GI	none	Score	189
Exons	768..1052, 782..1057, 787..1050, 825..1064, 1294..1473, 1297..1365, 1304..1465, 1484..1561, 1486..1548, 1532..1612		

Seq. No.	45622	Seq. ID	OJ000301_13.0330.C4
Gene No.	96567	Strand	+
Start	1	End	2339
Name	OJ000301_13.0330.C4.o1.tc	Method	TBLASTX:Cress
Start	782	End	1351
GI	none	Score	375
Exons	782..1048, 796..1038, 815..1048, 1301..1351		

Seq. No.	45622	Seq. ID	OJ000301_13.0330.C4
Gene No.	96567	Strand	+
Start	1	End	2339
Name	OJ000301_13.0330.C4.o1.gs	Method	GENSCAN
Start	785	End	2339
GI	none	Score	.71
Exons	785..1051, 1298..1474, 1533..1666, 1993..2149, 2199..2339		

Seq. No.	45623	Seq. ID	OJ000301_13.0330.C5
Gene No.	96568	Strand	+
Start	380	End	1521
Name	OJ000301_13.0330.C5.o1.gs	Method	GENSCAN
Start	380	End	1521
GI	none	Score	.8
Exons	380..560, 1122..1230, 1251..1521		

Seq. No.	45623	Seq. ID	OJ000301_13.0330.C5
Gene No.	96569	Strand	-
Start	1998	End	2100
Name	OJ000301_13.0330.C5.o2.gs	Method	GENSCAN
Start	1998	End	2100
GI	none	Score	.46
Exons	1998..2100		

Seq. No.	45624	Seq. ID	OJ000301_13.0330.C6
Gene No.	96570	Strand	-
Start	4624	End	5878
Name	OJ000301_13.0330.C6.o1.np	Method	AAT/NAP
Start	3679	End	5851
GI	6715735	Score	531
Exons	3679..3768, 5012..5373, 5469..5598, 5698..5851		
GI Descrip.	(AC016447) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	45624	Seq. ID	OJ000301_13.0330.C6
Gene No.	96570	Strand	-
Start	4624	End	5878
Name	OJ000301_13.0330.C6.o1.gs	Method	GENSCAN
Start	4624	End	5878
GI	none	Score	.82
Exons	4624..5399, 5698..5878		

Seq. No.	45624	Seq. ID	OJ000301_13.0330.C6
Gene No.	96571	Strand	-
Start	6526	End	7546
Name	OJ000301_13.0330.C6.o1.tc	Method	TBLASTX:Cress
Start	5205	End	5797
GI	none	Score	163
Exons	5205..5375, 5206..5406, 5468..5599, 5694..5789, 5696..5797		

Seq. No.	45624	Seq. ID	OJ000301_13.0330.C6
Gene No.	96571	Strand	-
Start	6526	End	7546
Name	OJ000301_13.0330.C6.o1.ts	Method	TBLASTX:Soybean
Start	5205	End	5797
GI	none	Score	133
Exons	5205..5375, 5224..5409, 5468..5599, 5694..5789, 5696..5797, 5708..5791		

Seq. No.	45624	Seq. ID	OJ000301_13.0330.C6
Gene No.	96571	Strand	-
Start	6526	End	7546
Name	OJ000301_13.0330.C6.o2.tm	Method	TBLASTX:Maize
Start	5205	End	5352
GI	none	Score	127
Exons	5205..5351, 5206..5352		

Seq. No.	45624	Seq. ID	OJ000301_13.0330.C6
Gene No.	96571	Strand	-
Start	6526	End	7546
Name	OJ000301_13.0330.C6.o1.tw	Method	TBLASTX:Wheat
Start	5262	End	5791
GI	none	Score	82

Exons	5262..5375, 5308..5406, 5468..5599, 5694..5789, 5696..5791		
Seq. No.	45624	Seq. ID	OJ000301_13.0330.C6
Gene No.	96571	Strand	-
Start	6526	End	7546
Name	OJ000301_13.0330.C6.o1.tm	Method	TBLASTX:Maize
Start	5486	End	6061
GI	none	Score	77
Exons	5486..5560, 5486..5599, 5520..5603, 5694..5885, 5696..5884, 5993..6040, 5994..6017, 6017..6061		
Seq. No.	45624	Seq. ID	OJ000301_13.0330.C6
Gene No.	96571	Strand	-
Start	6526	End	7546
Name	OJ000301_13.0330.C6.o2.gs	Method	GENSCAN
Start	6526	End	7546
GI	none	Score	.61
Exons	6526..6544, 6747..6768, 7407..7546		
Seq. No.	45625	Seq. ID	OJ000301_13.0330.C9
Gene No.	96572	Strand	+
Start	302	End	436
Name	OJ000301_13.0330.C9.o1.gs	Method	GENSCAN
Start	302	End	436
GI	none	Score	.77
Exons	302..436		
Seq. No.	45625	Seq. ID	OJ000301_13.0330.C9
Gene No.	96573	Strand	-
Start	3109	End	4300
Name	OJ000301_13.0330.C9.o2.gs	Method	GENSCAN
Start	3109	End	4184
GI	none	Score	.71
Exons	3109..3179, 3790..3863, 3953..4020, 4092..4184		
Seq. No.	45625	Seq. ID	OJ000301_13.0330.C9
Gene No.	96573	Strand	-
Start	3109	End	4300
Name	OJ000301_13.0330.C9.o1.tm	Method	TBLASTX:Maize
Start	3574	End	4184
GI	none	Score	69
Exons	3574..3687, 3598..3693, 3794..3862, 3937..4014, 4092..4184		
Seq. No.	45625	Seq. ID	OJ000301_13.0330.C9
Gene No.	96573	Strand	-
Start	3109	End	4300
Name	OJ000301_13.0330.C9.o1.np	Method	AAT/NAP
Start	3595	End	4300
GI	6715723	Score	252
Exons	3595..3686, 3790..3863, 3953..4020, 4092..4300		
GI Descrip.	(AC016447) putative bifunctional nuclease [Arabidopsis thaliana]		
Seq. No.	45625	Seq. ID	OJ000301_13.0330.C9
Gene No.	96573	Strand	-
Start	3109	End	4300
Name	OJ000301_13.0330.C9.o1.tc	Method	TBLASTX:Cress
Start	3595	End	4014

GI	none	Score	78
Exons	3595..3693, 3602..3688, 3794..3862, 3937..4014		
Seq. No.	45625	Seq. ID	OJ000301_13.0330.C9
Gene No.	96573	Strand	-
Start	3109	End	4300
Name	OJ000301_13.0330.C9.o1.ts	Method	TBLASTX:Soybean
Start	3643	End	4184
GI	none	Score	62
Exons	3643..3687, 3773..3868, 3798..3869, 3937..4014, 4092..4184		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96574	Strand	+
Start	2500	End	5768
Name	OJ000301_13.0330.C10.o2.gs	Method	GENSCAN
Start	2500	End	5455
GI	none	Score	.75
Exons	2500..2587, 2596..2639, 2741..2912, 4355..4456, 4566..4705, 4810..4975, 5319..5455		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96574	Strand	+
Start	2500	End	5768
Name	OJ000301_13.0330.C10.o1.gp	Method	AAT/GAP
Start	2502	End	2916
GI	LIB3477-010-P1-K1-H6	Score	572
Exons	2502..2639, 2741..2916		
GI Descrip.	'5672692/dbj|BAA82696.1| 9.0e-17 (AB028448) nuclease I [Hordeum vulgare]'		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96574	Strand	+
Start	2500	End	5768
Name	OJ000301_13.0330.C10.o2.np	Method	AAT/NAP
Start	2518	End	5410
GI	6715723	Score	627
Exons	2518..2639, 2741..2912, 4355..4456, 4557..4705, 4810..4902, 4980..5047, 5138..5211, 5319..5410		
GI Descrip.	(AC016447) putative bifunctional nuclease [Arabidopsis thaliana]		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96574	Strand	+
Start	2500	End	5768
Name	OJ000301_13.0330.C10.o3.gp	Method	AAT/GAP
Start	5328	End	5768
GI	702658	Score	857
Exons	5328..5768		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96575	Strand	+
Start	18179	End	28287
Name	OJ000301_13.0330.C10.o5.gs	Method	GENSCAN
Start	18179	End	28287
GI	none	Score	.46
Exons	18179..18325, 21476..21545, 21661..21704, 22045..22251, 22305..24686, 24750..25477, 25554..26163, 26266..28287		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96575	Strand	+
Start	18179	End	28287
Name	OJ000301_13.0330.C10.o4.np	Method	AAT/NAP
Start	22323	End	28284
GI	7228457	Score	8593
Exons	22323..22689, 22751..24686, 24750..25585, 25708..26667, 26734..28284		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96576	Strand	+
Start	28929	End	32104
Name	OJ000301_13.0330.C10.o6.np	Method	AAT/NAP
Start	28929	End	32104
GI	2130141	Score	971
Exons	28929..28987, 30273..30534, 30626..32104		
GI Descrip.	mudrA protein - maize transposon MuDR gi|540581 (M76978) mudrA [Zea mays] gi|595816 (U14597) mudrA gene product [Zea mays]		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96577	Strand	+
Start	35378	End	38823
Name	OJ000301_13.0330.C10.o9.gs	Method	GENSCAN
Start	35378	End	38823
GI	none	Score	.79
Exons	35378..35437, 36013..36120, 36577..36609, 36691..36780, 37300..37425, 37915..38026, 38250..38587, 38615..38696, 38735..38823		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96578	Strand	-
Start	1	End	756
Name	OJ000301_13.0330.C10.o1.np	Method	AAT/NAP
Start	1	End	729
GI	4099833	Score	362
Exons	1..94, 191..284, 385..559, 634..729		
GI Descrip.	(U90265) bifunctional nuclease [Zinnia elegans]		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96578	Strand	-
Start	1	End	756
Name	OJ000301_13.0330.C10.o1.gs	Method	GENSCAN
Start	31	End	756
GI	none	Score	.64
Exons	31..126, 311..559, 571..756		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96579	Strand	-
Start	3164	End	3264
Name	OJ000301_13.0330.C10.o2.gp	Method	AAT/GAP
Start	3164	End	3264
GI	LIB3477-003-P1-K1-E9	Score	122
Exons	3164..3264		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY		

S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96580	Strand	-
Start	6045	End	12966
Name	OJ000301_13.0330.C10.o3.gs	Method	GENSCAN
Start	6045	End	12864
GI	none	Score	.7
Exons	6045..6059, 6107..6212, 6326..6414, 6494..6622, 6709..6809, 6821..6877, 7047..7176, 7623..7676, 8298..8555, 8857..8988, 9069..9206, 9468..9600, 9708..9829, 9944..10081, 10825..11010, 11908..12045, 12400..12864		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96580	Strand	-
Start	6045	End	12966
Name	OJ000301_13.0330.C10.o4.gp	Method	AAT/GAP
Start	6987	End	7347
GI	none	Score	484
Exons	6987..7101, 7185..7347		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96580	Strand	-
Start	6045	End	12966
Name	OJ000301_13.0330.C10.o3.np	Method	AAT/NAP
Start	8235	End	12858
GI	5902390	Score	1020
Exons	8235..8501, 8857..8988, 9069..9148, 9251..9380, 9468..9600, 9708..9829, 9944..10084, 10825..11010, 11908..12045, 12400..12858		
GI Descrip.	(AC008148) Unknown protein [Arabidopsis thaliana] gi|6453884|gb|AAF09067.1|AC011663_3 (AC011663) unknown protein [Arabidopsis thaliana]		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96580	Strand	-
Start	6045	End	12966
Name	OJ000301_13.0330.C10.o5.gp	Method	AAT/GAP
Start	8311	End	11014
GI	6840_2.R1084	Score	2061
Exons	8311..8510, 8857..8988, 9069..9148, 9251..9380, 9468..9600, 9708..9829, 9944..10081, 10825..11014		
GI Descrip.	'5902390/gb|AAD55492.1|AC008148_2 1.0e-105 (AC008148) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96580	Strand	-
Start	6045	End	12966
Name	OJ000301_13.0330.C10.o6.gp	Method	AAT/GAP
Start	12522	End	12966
GI	none	Score	855
Exons	12522..12966		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96581	Strand	-
Start	17239	End	17303

Name	OJ000301_13.0330.C10.o7.gp	Method	AAT/GAP
Start	17239	End	17303
GI	uC-osf1cyp158c04a1	Score	91
Exons	17239..17303		
GI Descrip.	'4581164/gb|AAD24647.1|AC006220_3 2.0e-17 (AC006220) putative polyprotein [Arabidopsis thaliana]'		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o2.ts	Method	TBLASTX:Soybean
Start	31	End	4639
GI	none	Score	98
Exons	31..84, 202..282, 383..571, 396..557, 628..675, 2738..2887, 4357..4440, 4568..4639		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o3.tm	Method	TBLASTX:Maize
Start	31	End	5452
GI	none	Score	76
Exons	31..93, 32..91, 202..288, 212..250, 413..571, 414..548, 634..678, 638..679, 2591..2638, 2592..2639, 2738..2914, 2740..2913, 4342..4443, 4343..4441, 4348..4452, 4567..4698, 4568..4726, 4801..4902, 4809..4904, 4979..5047, 4980..5048, 4980..5051, 5101..5223, 5139..5219, 5140..5220, 5317..5409, 5317..5445, 5318..5452		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o3.tc	Method	TBLASTX:Cress
Start	4971	End	5407
GI	none	Score	66
Exons	4971..5045, 5137..5226, 5139..5219, 5317..5403, 5318..5407		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o7.tm	Method	TBLASTX:Maize
Start	6001	End	6414
GI	none	Score	44
Exons	6001..6102, 6011..6079, 6060..6215, 6073..6213, 6074..6214, 6325..6414, 6326..6409		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o7.tw	Method	TBLASTX:Wheat
Start	6032	End	6382
GI	none	Score	37
Exons	6032..6079, 6073..6210, 6074..6214, 6075..6215, 6325..6381, 6326..6382		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-

Start	28907	End	29462
Name	OJ000301_13.0330.C10.o4.ts	Method	TBLASTX:Soybean
Start	6068	End	6524
GI	none	Score	104
Exons	6068..6214, 6105..6215, 6325..6417, 6326..6415, 6488..6523, 6489..6524		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o9.tm	Method	TBLASTX:Maize
Start	6488	End	7090
GI	none	Score	168
Exons	6488..6622, 6495..6632, 6709..6732, 6722..6814, 6731..6808, 6895..6927, 6909..6926, 6970..6993, 7033..7086, 7034..7090		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o1.tm	Method	TBLASTX:Maize
Start	8092	End	12798
GI	none	Score	41
Exons	8092..8178, 8265..8372, 8268..8321, 8269..8322, 8315..8512, 8328..8522, 8328..8486, 8341..8550, 8341..8511, 8423..8512, 8857..8988, 8857..8988, 8895..8990, 9062..9145, 9064..9144, 9069..9176, 9069..9149, 9245..9382, 9250..9390, 9251..9343, 9253..9381, 9255..9434, 9453..9602, 9466..9603, 9467..9601, 9467..9625, 9469..9603, 9707..9829, 9708..9830, 9708..9830, 9709..9831, 9939..10082, 9944..10084, 9945..10082, 10799..11020, 10816..11019, 10825..11022, 11905..12060, 11908..12060, 12628..12672, 12633..12701, 12748..12798, 12749..12793		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o1.ts	Method	TBLASTX:Soybean
Start	9069	End	10021
GI	none	Score	99
Exons	9069..9146, 9261..9380, 9286..9381, 9453..9602, 9472..9588, 9707..9829, 9708..9830, 9944..10021, 9945..10016		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o1.tc	Method	TBLASTX:Cress
Start	9468	End	12792
GI	none	Score	114
Exons	9468..9602, 9469..9624, 9707..9748, 9767..9829, 9944..10084, 9945..10085, 10813..10935, 10912..11022, 10924..11019, 11905..12045, 12748..12792		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o6.ts	Method	TBLASTX:Soybean
Start	10945	End	12051
GI	none	Score	88

Exons	10945..11019, 11905..12051, 11939..12028		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o6.tw	Method	TBLASTX:Wheat
Start	22980	End	23369
GI	none	Score	54
Exons	22980..23024, 23031..23129, 23036..23128, 23096..23335, 23112..23369		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o11.tm	Method	TBLASTX:Maize
Start	23019	End	23267
GI	none	Score	196
Exons	23019..23267, 23021..23266		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o2.tw	Method	TBLASTX:Wheat
Start	24107	End	24593
GI	none	Score	408
Exons	24107..24280, 24108..24593, 24302..24562		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o1.tw	Method	TBLASTX:Wheat
Start	24758	End	25220
GI	none	Score	575
Exons	24758..25021, 24759..25220, 24759..25214		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o7.ts	Method	TBLASTX:Soybean
Start	24798	End	25163
GI	none	Score	117
Exons	24798..25022, 25029..25163		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o4.tm	Method	TBLASTX:Maize
Start	24888	End	25244
GI	none	Score	372
Exons	24888..25244, 24923..25039, 24939..25244		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o5.tw	Method	TBLASTX:Wheat
Start	25226	End	25532
GI	none	Score	60

Exons	25226..25324, 25227..25532, 25229..25519		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o8.tm	Method	TBLASTX:Maize
Start	25271	End	25656
GI	none	Score	284
Exons	25271..25549, 25272..25550, 25462..25656		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o3.ts	Method	TBLASTX:Soybean
Start	25407	End	25779
GI	none	Score	156
Exons	25407..25553, 25424..25549, 25549..25779		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o9.tw	Method	TBLASTX:Wheat
Start	25543	End	25830
GI	none	Score	241
Exons	25543..25830, 25548..25637		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o4.tw	Method	TBLASTX:Wheat
Start	26188	End	26646
GI	none	Score	239
Exons	26188..26409, 26212..26436, 26277..26453, 26497..26646, 26523..26645		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o5.ts	Method	TBLASTX:Soybean
Start	26335	End	26901
GI	5666795	Score	68
Exons	26335..26433, 26512..26646, 26701..26901		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o10.tw	Method	TBLASTX:Wheat
Start	26649	End	26961
GI	none	Score	192
Exons	26649..26825, 26701..26961		
Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o5.tm	Method	TBLASTX:Maize
Start	27154	End	27486

GI	none	Score	354
Exons	27154..27477, 27183..27464, 27274..27486		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o3.tw	Method	TBLASTX:Wheat
Start	27291	End	27672
GI	none	Score	379
Exons	27291..27641, 27292..27672		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o8.tw	Method	TBLASTX:Wheat
Start	27673	End	28275
GI	none	Score	262
Exons	27673..27957, 27677..27736, 27678..27776, 27806..27859, 27813..27962, 28149..28271, 28150..28275		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o6.gs	Method	GENSCAN
Start	28907	End	29462
GI	none	Score	.97
Exons	28907..29431, 29451..29462		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96582	Strand	-
Start	28907	End	29462
Name	OJ000301_13.0330.C10.o5.np	Method	AAT/NAP
Start	28910	End	29324
GI	6907089	Score	484
Exons	28910..29324		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96583	Strand	
Start	30360	End	30991
Name	OJ000301_13.0330.C10.o2.tc	Method	TBLASTX:Cress
Start	30360	End	30868
GI	none	Score	159
Exons	30360..30518, 30364..30537, 30626..30868		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96583	Strand	
Start	30360	End	30991
Name	OJ000301_13.0330.C10.o10.tm	Method	TBLASTX:Maize
Start	30640	End	30991
GI	none	Score	239
Exons	30640..30939, 30641..30991		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96584	Strand	
Start	30995	End	31621
Name	OJ000301_13.0330.C10.o2.tm	Method	TBLASTX:Maize

Start	30995	End	31621
GI	none	Score	323
Exons	30995..31264, 31000..31239, 31265..31330, 31276..31329, 31346..31621, 31358..31582, 31492..31620		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96585	Strand	
Start	38355	End	38816
Name	OJ000301_13.0330.C10.o6.tm	Method	TBLASTX:Maize
Start	38355	End	38713
GI	none	Score	338
Exons	38355..38546, 38357..38587, 38359..38589, 38375..38593, 38678..38713, 38680..38709		

Seq. No.	45626	Seq. ID	OJ000301_13.0330.C10
Gene No.	96585	Strand	
Start	38355	End	38816
Name	OJ000301_13.0330.C10.o8.ts	Method	TBLASTX:Soybean
Start	38482	End	38816
GI	none	Score	104
Exons	38482..38595, 38483..38590, 38685..38807, 38689..38808, 38694..38816, 38699..38809		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96586	Strand	+
Start	242	End	2514
Name	OJ000301_13.0330.C11.o1.gs	Method	GENSCAN
Start	242	End	2413
GI	none	Score	.96
Exons	242..463, 544..819, 1108..1245, 1764..2069, 2195..2413		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96586	Strand	+
Start	242	End	2514
Name	OJ000301_13.0330.C11.o1.gp	Method	AAT/GAP
Start	1213	End	2514
GI	none	Score	1274
Exons	1213..1245, 1764..2069, 2195..2514		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96587	Strand	+
Start	5976	End	10996
Name	OJ000301_13.0330.C11.o3.gs	Method	GENSCAN
Start	5976	End	10944
GI	none	Score	.56
Exons	5976..6058, 7248..7276, 7431..10944		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96587	Strand	+
Start	5976	End	10996
Name	OJ000301_13.0330.C11.o2.gp	Method	AAT/GAP
Start	6019	End	6529
GI	uC-osrocyp002b09b1	Score	987
Exons	6019..6529		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96587	Strand	+
Start	5976	End	10996
Name	OJ000301_13.0330.C11.o1.np	Method	AAT/NAP
Start	8579	End	10996
GI	3777527	Score	1631
Exons	8579..9887, 9972..10996		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96588	Strand	-
Start	6741	End	7086
Name	OJ000301_13.0330.C11.o4.tm	Method	TBLASTX:Maize
Start	271	End	1245
GI	none	Score	76
Exons	271..375, 274..468, 275..463, 418..465, 1138..1245		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96588	Strand	-
Start	6741	End	7086
Name	OJ000301_13.0330.C11.o2.ts	Method	TBLASTX:Soybean
Start	340	End	1982
GI	none	Score	116
Exons	340..465, 341..466, 562..795, 573..764, 1134..1247, 1135..1248, 1144..1248, 1761..1823, 1772..1822, 1776..1847, 1875..1982		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96588	Strand	-
Start	6741	End	7086
Name	OJ000301_13.0330.C11.o3.tm	Method	TBLASTX:Maize
Start	553	End	2326
GI	none	Score	57
Exons	553..657, 676..783, 1761..2075, 1761..1976, 1762..2082, 1763..1993, 2030..2074, 2191..2220, 2191..2277, 2192..2326		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96588	Strand	-
Start	6741	End	7086
Name	OJ000301_13.0330.C11.o1.tc	Method	TBLASTX:Cress
Start	1198	End	2034
GI	none	Score	77
Exons	1198..1263, 1761..2018, 1762..2034, 1763..1993		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96588	Strand	-
Start	6741	End	7086
Name	OJ000301_13.0330.C11.o3.gp	Method	AAT/GAP
Start	6741	End	7086
GI	uC-osrocyp002b09a1	Score	477
Exons	6741..7086		
GI Descrip.	'4768980/gb|AAD29703.1|AF140490_1 1.0e-35 (AF140490) heat-shock protein [Oryza sativa]'		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96589	Strand	
Start	8996	End	9862
Name	OJ000301_13.0330.C11.o2.tw	Method	TBLASTX:Wheat

Start	8996	End	9559
GI	none	Score	146
Exons	8996..9232, 9002..9214, 9269..9544, 9272..9559, 9457..9558		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96589	Strand	
Start	8996	End	9862
Name	OJ000301_13.0330.C11.o1.tm	Method	TBLASTX:Maize
Start	9227	End	9862
GI	none	Score	86
Exons	9227..9310, 9258..9290, 9293..9715, 9385..9714, 9627..9728, 9710..9862		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96589	Strand	
Start	8996	End	9862
Name	OJ000301_13.0330.C11.o3.ts	Method	TBLASTX:Soybean
Start	9401	End	9862
GI	none	Score	270
Exons	9401..9712, 9412..9705, 9724..9843, 9734..9862		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96589	Strand	
Start	8996	End	9862
Name	OJ000301_13.0330.C11.o3.tc	Method	TBLASTX:Cress
Start	9419	End	9861
GI	none	Score	176
Exons	9419..9709, 9443..9640, 9724..9861, 9725..9856		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96590	Strand	
Start	10135	End	10813
Name	OJ000301_13.0330.C11.o1.ts	Method	TBLASTX:Soybean
Start	10135	End	10704
GI	5509260	Score	649
Exons	10135..10704, 10175..10702		
GI Descrip.	-		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96590	Strand	
Start	10135	End	10813
Name	OJ000301_13.0330.C11.o1.tw	Method	TBLASTX:Wheat
Start	10220	End	10687
GI	none	Score	82
Exons	10220..10309, 10226..10303, 10343..10687, 10360..10488, 10519..10686		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96590	Strand	
Start	10135	End	10813
Name	OJ000301_13.0330.C11.o2.tc	Method	TBLASTX:Cress
Start	10319	End	10585
GI	none	Score	244
Exons	10319..10585, 10324..10584		

Seq. No.	45627	Seq. ID	OJ000301_13.0330.C11
Gene No.	96590	Strand	

Start	10135	End	10813
Name	OJ000301_13.0330.C11.o2.tm	Method	TBLASTX:Maize
Start	10366	End	10813
GI	none	Score	526
Exons	10366..10803, 10367..10813, 10521..10805		

Seq. No.	45628	Seq. ID	OJ000301_13.0330.C12
Gene No.	96591	Strand	+
Start	1	End	465
Name	OJ000301_13.0330.C12.o1.np	Method	AAT/NAP
Start	1	End	462
GI	6630685	Score	541
Exons	1..462		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	45628	Seq. ID	OJ000301_13.0330.C12
Gene No.	96591	Strand	+
Start	1	End	465
Name	OJ000301_13.0330.C12.o1.gs	Method	GENSCAN
Start	125	End	465
GI	none	Score	.41
Exons	125..465		

Seq. No.	45628	Seq. ID	OJ000301_13.0330.C12
Gene No.	96592	Strand	+
Start	2040	End	2193
Name	OJ000301_13.0330.C12.o1.tm	Method	TBLASTX:Maize
Start	1	End	444
GI	none	Score	477
Exons	1..444, 3..443		

Seq. No.	45628	Seq. ID	OJ000301_13.0330.C12
Gene No.	96592	Strand	+
Start	2040	End	2193
Name	OJ000301_13.0330.C12.o1.ts	Method	TBLASTX:Soybean
Start	3	End	486
GI	none	Score	136
Exons	3..110, 4..195, 223..486, 228..389		

Seq. No.	45628	Seq. ID	OJ000301_13.0330.C12
Gene No.	96592	Strand	+
Start	2040	End	2193
Name	OJ000301_13.0330.C12.o1.gp	Method	AAT/GAP
Start	2040	End	2193
GI	uC-osrocyp002b09b1	Score	288
Exons	2040..2193		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	45629	Seq. ID	OJ000301_13.0330.C13
Gene No.	96593	Strand	+
Start	837	End	1450
Name	OJ000301_13.0330.C13.o1.gs	Method	GENSCAN
Start	837	End	1450
GI	none	Score	.74
Exons	837..1049, 1098..1224, 1346..1450		

Seq. No.	45630	Seq. ID	OJ000301_13.0330.C15
Gene No.	96594	Strand	+
Start	2822	End	3870
Name	OJ000301_13.0330.C15.o1.gp	Method	AAT/GAP
Start	2822	End	3870
GI	2310781	Score	693
Exons	2822..2896, 3147..3272, 3518..3599, 3729..3870		

Seq. No.	45631	Seq. ID	OJ000301_13.0330.C16
Gene No.	96595	Strand	+
Start	754	End	1385
Name	OJ000301_13.0330.C16.o1.gs	Method	GENSCAN
Start	754	End	1385
GI	none	Score	.71
Exons	754..948, 1215..1385		

Seq. No.	45632	Seq. ID	OJ000301_13.0330.C17
Gene No.	96596	Strand	+
Start	1	End	4798
Name	OJ000301_13.0330.C17.o2.np	Method	AAT/NAP
Start	1	End	2956
GI	4680186	Score	249
Exons	1..59, 1904..2061, 2565..2956		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	45632	Seq. ID	OJ000301_13.0330.C17
Gene No.	96596	Strand	+
Start	1	End	4798
Name	OJ000301_13.0330.C17.o1.gs	Method	GENSCAN
Start	958	End	4675
GI	none	Score	.53
Exons	958..1135, 1892..2093, 3751..3832, 3950..4327, 4457..4675		

Seq. No.	45632	Seq. ID	OJ000301_13.0330.C17
Gene No.	96596	Strand	+
Start	1	End	4798
Name	OJ000301_13.0330.C17.o3.np	Method	AAT/NAP
Start	3956	End	4798
GI	6069653	Score	853
Exons	3956..4798		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	45632	Seq. ID	OJ000301_13.0330.C17
Gene No.	96597	Strand	-
Start	1	End	1241
Name	OJ000301_13.0330.C17.o1.np	Method	AAT/NAP
Start	1	End	1241
GI	7340884	Score	117
Exons	1..61, 960..1241		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	45633	Seq. ID	OJ000301_13.0330.C18
Gene No.	96598	Strand	+
Start	102	End	1136
Name	OJ000301_13.0330.C18.o1.gs	Method	GENSCAN

Start	102	End	1136
GI	none	Score	.59
Exons	102..152, 999..1136		

Seq. No.	45633	Seq. ID	OJ000301_13.0330.C18
Gene No.	96599	Strand	+
Start	2371	End	2652
Name	OJ000301_13.0330.C18.o1.gp	Method	AAT/GAP
Start	2371	End	2652
GI	none	Score	560
Exons	2371..2652		

Seq. No.	45633	Seq. ID	OJ000301_13.0330.C18
Gene No.	96600	Strand	-
Start	2058	End	4777
Name	OJ000301_13.0330.C18.o2.gs	Method	GENSCAN
Start	2058	End	4777
GI	none	Score	.87
Exons	2058..2126, 2708..2890, 2994..3190, 3301..3666, 3884..4282, 4371..4777		

Seq. No.	45633	Seq. ID	OJ000301_13.0330.C18
Gene No.	96600	Strand	-
Start	2058	End	4777
Name	OJ000301_13.0330.C18.o2.tm	Method	TBLASTX:Maize
Start	2638	End	2854
GI	none	Score	70
Exons	2638..2688, 2645..2689, 2646..2687, 2648..2689, 2668..2793, 2691..2789, 2693..2854, 2693..2815		

Seq. No.	45633	Seq. ID	OJ000301_13.0330.C18
Gene No.	96600	Strand	-
Start	2058	End	4777
Name	OJ000301_13.0330.C18.o1.np	Method	AAT/NAP
Start	2642	End	4121
GI	6692748	Score	699
Exons	2642..2890, 2954..3208, 3301..3666, 3884..4121		
GI Descrip.	(AC012679) unknown protein [Arabidopsis thaliana]		

Seq. No.	45633	Seq. ID	OJ000301_13.0330.C18
Gene No.	96600	Strand	-
Start	2058	End	4777
Name	OJ000301_13.0330.C18.o1.tm	Method	TBLASTX:Maize
Start	2993	End	3467
GI	none	Score	62
Exons	2993..3052, 2994..3056, 2997..3053, 3039..3191, 3048..3200, 3293..3415, 3300..3464, 3301..3447, 3302..3466, 3303..3467		

Seq. No.	45633	Seq. ID	OJ000301_13.0330.C18
Gene No.	96600	Strand	-
Start	2058	End	4777
Name	OJ000301_13.0330.C18.o1.ts	Method	TBLASTX:Soybean
Start	3096	End	3574
GI	none	Score	85
Exons	3096..3188, 3302..3442, 3360..3443, 3497..3574		

Seq. No.	45633	Seq. ID	OJ000301_13.0330.C18

Gene No.	96600	Strand	-
Start	2058	End	4777
Name	OJ000301_13.0330.C18.o1.tc	Method	TBLASTX:Cress
Start	3317	End	4092
GI	none	Score	56
Exons	3317..3454, 3318..3452, 3482..3547, 3489..3542, 3602..3670, 3888..4016, 3895..4014, 4021..4092		

Seq. No.	45633	Seq. ID	OJ000301_13.0330.C18
Gene No.	96600	Strand	-
Start	2058	End	4777
Name	OJ000301_13.0330.C18.o3.tm	Method	TBLASTX:Maize
Start	3473	End	3583
GI	none	Score	119
Exons	3473..3583, 3474..3581		

Seq. No.	45634	Seq. ID	OJ000301_13.0330.C19
Gene No.	96601	Strand	+
Start	798	End	5274
Name	OJ000301_13.0330.C19.o1.gs	Method	GENSCAN
Start	798	End	5274
GI	none	Score	.73
Exons	798..833, 1127..1186, 3122..3194, 3213..3353, 3677..3852, 4880..4914, 5161..5274		

Seq. No.	45634	Seq. ID	OJ000301_13.0330.C19
Gene No.	96602	Strand	-
Start	9	End	303
Name	OJ000301_13.0330.C19.o1.gp	Method	AAT/GAP
Start	9	End	303
GI	none	Score	537
Exons	9..303		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96603	Strand	+
Start	1420	End	1669
Name	OJ000301_13.0330.C21.o1.gp	Method	AAT/GAP
Start	1420	End	1669
GI	3761181	Score	430
Exons	1420..1669		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96604	Strand	+
Start	1936	End	4712
Name	OJ000301_13.0330.C21.o1.np	Method	AAT/NAP
Start	1566	End	4658
GI	7106512	Score	1929
Exons	1566..1626, 1700..4249, 4304..4658		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96604	Strand	+
Start	1936	End	4712
Name	OJ000301_13.0330.C21.o1.gs	Method	GENSCAN

Start	1936	End	4712
GI	none	Score	.51
Exons	1936..2044, 2329..2953, 3755..4046, 4304..4474, 4482..4712		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96605	Strand	+
Start	4923	End	5078
Name	OJ000301_13.0330.C21.o2.gs	Method	GENSCAN
Start	4923	End	5078
GI	none	Score	.66
Exons	4923..5078		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96606	Strand	+
Start	6670	End	6919
Name	OJ000301_13.0330.C21.o3.gp	Method	AAT/GAP
Start	6670	End	6919
GI	3761181	Score	422
Exons	6670..6919		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96607	Strand	+
Start	23149	End	24015
Name	OJ000301_13.0330.C21.o7.gs	Method	GENSCAN
Start	23149	End	24015
GI	none	Score	.79
Exons	23149..24015		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96608	Strand	-
Start	4899	End	5051
Name	OJ000301_13.0330.C21.o2.np	Method	AAT/NAP
Start	4899	End	5051
GI	7106513	Score	225
Exons	4899..5051		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96609	Strand	-
Start	6556	End	6661
Name	OJ000301_13.0330.C21.o2.gp	Method	AAT/GAP
Start	6556	End	6661
GI	5816518	Score	155
Exons	6556..6661		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96610	Strand	-
Start	9727	End	12798
Name	OJ000301_13.0330.C21.o3.gs	Method	GENSCAN
Start	9727	End	12798
GI	none	Score	.82
Exons	9727..10128, 10231..10381, 10478..10715, 11209..11260, 11703..12011, 12574..12798		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96610	Strand	-
Start	9727	End	12798
Name	OJ000301_13.0330.C21.o3.np	Method	AAT/NAP
Start	9826	End	12672
GI	7488289	Score	676
Exons	9826..10128, 10231..10389, 10507..10715, 11801..12011, 12565..12672		
GI Descrip.	receptor kinase homolog A_TM018A10.18 - Arabidopsis thaliana gi|2252862|gb|AAB62860.1| (AF013294) Similar to receptor kinase [Arabidopsis thaliana] gi|7267594|emb|CAB80906.1| (AL161491) Similar to receptor kinase; strong similarity to; Contains Myb DNA-binding domain repeat signatures AA313-321;Protein kinases signatures and profile AA123-145;Protein kinases signatures and		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96611	Strand	-
Start	14760	End	15330
Name	OJ000301_13.0330.C21.o4.gp	Method	AAT/GAP
Start	14503	End	14937
GI	LIB3434-033-P1-K1-F9	Score	828
Exons	14503..14937		
GI Descrip.	'3264598 8.0e-14 (AF057184) trypsin inhibitor [Zea mays]'		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96611	Strand	-
Start	14760	End	15330
Name	OJ000301_13.0330.C21.o4.gs	Method	GENSCAN
Start	14760	End	15299
GI	none	Score	1
Exons	14760..15299		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96611	Strand	-
Start	14760	End	15330
Name	OJ000301_13.0330.C21.o4.np	Method	AAT/NAP
Start	14763	End	15317
GI	7489819	Score	327
Exons	14763..14958, 14986..15317		
GI Descrip.	probable trypsin inhibitor - maize gi|3264598|gb|AAC24570.1| (AF057184) trypsin inhibitor [Zea mays]		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96611	Strand	-
Start	14760	End	15330
Name	OJ000301_13.0330.C21.o5.gp	Method	AAT/GAP
Start	14961	End	15330
GI	22005_1.R1084	Score	683
Exons	14961..15330		
GI Descrip.	'124036/sp|P07084|IBBR_ORYSA 2.0e-13 BOWMAN-BIRK TYPE BRAN TRYPSIN INHIBITOR (RBTI) >gi_476550_pir__TIRZBR trypsin inhibitor (Bowman-Birk) - rice >gi_359095_prf__1310273A trypsin inhibitor [Oryza sativa]'		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-

Start	16897	End	22947
Name	OJ000301_13.0330.C21.o1.ts	Method	TBLASTX:Soybean
Start	9925	End	12660
GI	none	Score	115
Exons	9925..10068, 10075..10125, 10231..10395, 10271..10381, 10481..10708, 10483..10716, 11802..12014, 11806..12012, 12565..12660, 12566..12649		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o1.tc	Method	TBLASTX:Cress
Start	10054	End	10692
GI	none	Score	106
Exons	10054..10125, 10219..10380, 10238..10384, 10496..10690, 10498..10692		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o1.tw	Method	TBLASTX:Wheat
Start	10231	End	10653
GI	none	Score	84
Exons	10231..10395, 10274..10381, 10479..10598, 10480..10647, 10481..10651, 10481..10606, 10483..10653		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o1.tm	Method	TBLASTX:Maize
Start	10237	End	12636
GI	none	Score	134
Exons	10237..10380, 10498..10701, 10499..10693, 11784..12014, 12565..12636		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o2.tw	Method	TBLASTX:Wheat
Start	10654	End	12014
GI	none	Score	114
Exons	10654..10716, 11787..12014, 11806..12012		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o4.tc	Method	TBLASTX:Cress
Start	11799	End	12636
GI	none	Score	77
Exons	11799..12023, 11800..12012, 12565..12636		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o3.tm	Method	TBLASTX:Maize
Start	14778	End	15164
GI	none	Score	131

Exons	14778..14954, 14779..14955, 14850..14909, 14934..14954, 14985..15044, 14985..15002, 15039..15122, 15093..15116, 15129..15164, 15147..15164		
Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o3.tw	Method	TBLASTX:Wheat
Start	14778	End	15164
GI	none	Score	39
Exons	14778..14966, 14782..14832, 14871..14975, 14872..14976, 14881..14970, 15078..15116, 15147..15164		
Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o6.np	Method	AAT/NAP
Start	16197	End	19097
GI	7438340	Score	106
Exons	16197..16253, 18851..18915, 19026..19097		
GI Descrip.	myb-related protein T22J18.19 - Arabidopsis thaliana gi|3287694|gb|AAC25522.1| (AC003979) Similar to myb-related transcription factor (THM27) gb|X95296 from Solanum lycopersicum. ESTs gb|T42000, gb|T04118, gb|AA598042, gb|AA394757 and gb|AA598046 come from this gene. [Arabidopsis thaliana]		
Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o5.gs	Method	GENSCAN
Start	16897	End	17996
GI	none	Score	1
Exons	16897..17804, 17891..17996		
Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o2.tm	Method	TBLASTX:Maize
Start	16909	End	17984
GI	none	Score	84
Exons	16909..16974, 17047..17451, 17545..17589, 17666..17782, 17668..17799, 17892..17984		
Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o3.tc	Method	TBLASTX:Cress
Start	16912	End	17328
GI	none	Score	70
Exons	16912..17142, 16912..17163, 16916..17146, 17236..17328		
Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o5.np	Method	AAT/NAP
Start	16912	End	17996

GI	6553943	Score	984
Exons	16912..17610, 17653..17804, 17891..17996		
GI Descrip.	(AC011915) putative reductase [Arabidopsis thaliana]		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o4.tw	Method	TBLASTX:Wheat
Start	17056	End	17397
GI	none	Score	196
Exons	17056..17397		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o2.ts	Method	TBLASTX:Soybean
Start	17071	End	17451
GI	none	Score	145
Exons	17071..17451, 17072..17329		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o6.gp	Method	AAT/GAP
Start	17124	End	18025
GI	95698_1.R1084	Score	1434
Exons	17124..17804, 17891..18025		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o2.tc	Method	TBLASTX:Cress
Start	17398	End	17994
GI	none	Score	44
Exons	17398..17478, 17452..17604, 17531..17581, 17666..17803, 17668..17802, 17892..17993, 17893..17994		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o3.ts	Method	TBLASTX:Soybean
Start	17473	End	17997
GI	none	Score	131
Exons	17473..17496, 17545..17604, 17666..17803, 17668..17802, 17886..17996, 17890..17997		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o5.tw	Method	TBLASTX:Wheat
Start	17662	End	17984
GI	none	Score	63
Exons	17662..17772, 17666..17782, 17668..17802, 17895..17984		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21

Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o6.gs	Method	GENSCAN
Start	18531	End	22947
GI	none	Score	.79
Exons	18531..18951, 19026..19190, 19781..19899, 20795..20866, 20944..21132, 21925..22101, 22246..22374, 22499..22615, 22696..22947		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o7.gp	Method	AAT/GAP
Start	20277	End	20511
GI	3759684	Score	436
Exons	20277..20511		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o5.tm	Method	TBLASTX:Maize
Start	20473	End	20833
GI	none	Score	189
Exons	20473..20691, 20488..20694, 20489..20695, 20792..20833		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96612	Strand	-
Start	16897	End	22947
Name	OJ000301_13.0330.C21.o7.np	Method	AAT/NAP
Start	20583	End	22788
GI	7470408	Score	637
Exons	20583..20694, 20795..20860, 20950..21132, 21407..21547, 21925..22082, 22230..22374, 22499..22615, 22696..22788		
GI Descrip.	hypothetical protein slr1287 - Synechocystis sp. (strain PCC 6803) gi|1653379|dbj|BAA18293.1| (D90913) hypothetical protein [Synechocystis sp.]		

Seq. No.	45635	Seq. ID	OJ000301_13.0330.C21
Gene No.	96613	Strand	
Start	23725	End	24006
Name	OJ000301_13.0330.C21.o4.tm	Method	TBLASTX:Maize
Start	23725	End	24006
GI	none	Score	65
Exons	23725..23781, 23726..23776, 23731..23793, 23800..23865, 23811..23861, 23860..23895, 23884..24006, 23898..23999		

Seq. No.	45636	Seq. ID	OJ000301_13.0330.C24
Gene No.	96614	Strand	+
Start	1	End	858
Name	OJ000301_13.0330.C24.o1.np	Method	AAT/NAP
Start	1	End	858
GI	7106512	Score	1096
Exons	1..643, 698..858		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	45636	Seq. ID	OJ000301_13.0330.C24

Gene No.	96614	Strand	+
Start	1	End	858
Name	OJ000301_13.0330.C24.o1.gs	Method	GENSCAN
Start	202	End	839
GI	none	Score	.75
Exons	202..651, 698..839		

Seq. No.	45637	Seq. ID	OJ000251_17.0331.C52
Gene No.	96615	Strand	+
Start	1	End	211
Name	OJ000251_17.0331.C52.o1.np	Method	AAT/NAP
Start	1	End	211
GI	6705984	Score	137
Exons	1..211		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	45637	Seq. ID	OJ000251_17.0331.C52
Gene No.	96616	Strand	-
Start	497	End	931
Name	OJ000251_17.0331.C52.o2.np	Method	AAT/NAP
Start	344	End	931
GI	6523547	Score	138
Exons	344..931		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	45637	Seq. ID	OJ000251_17.0331.C52
Gene No.	96616	Strand	-
Start	497	End	931
Name	OJ000251_17.0331.C52.o1.gs	Method	GENSCAN
Start	497	End	847
GI	none	Score	.46
Exons	497..847		

Seq. No.	45638	Seq. ID	OJ000251_17.0331.C53
Gene No.	96617	Strand	+
Start	126	End	1671
Name	OJ000251_17.0331.C53.o1.gs	Method	GENSCAN
Start	126	End	1671
GI	none	Score	.86
Exons	126..227, 1546..1671		

Seq. No.	45638	Seq. ID	OJ000251_17.0331.C53
Gene No.	96618	Strand	+
Start	7518	End	7904
Name	OJ000251_17.0331.C53.o3.gp	Method	AAT/GAP
Start	7518	End	7904
GI	none	Score	774
Exons	7518..7904		

Seq. No.	45638	Seq. ID	OJ000251_17.0331.C53
Gene No.	96619	Strand	+
Start	12301	End	16600
Name	OJ000251_17.0331.C53.o3.gs	Method	GENSCAN
Start	12301	End	16600
GI	none	Score	.58
Exons	12301..12373, 12439..12578, 13508..13686, 14465..14620,		

16509..16600

Seq. No.	45638	Seq. ID	OJ000251_17.0331.C53
Gene No.	96620	Strand	-
Start	3340	End	15282
Name	OJ000251_17.0331.C53.o1.gp	Method	AAT/GAP
Start	3063	End	3681
GI	none	Score	959
Exons	3063..3508, 3622..3681		

Seq. No.	45638	Seq. ID	OJ000251_17.0331.C53
Gene No.	96620	Strand	-
Start	3340	End	15282
Name	OJ000251_17.0331.C53.o2.gs	Method	GENSCAN
Start	3340	End	11581
GI	none	Score	.65
Exons	3340..3508, 3622..3794, 3986..4171, 4445..4582, 5605..5733, 5888..6064, 6151..6261, 6608..6727, 6837..7021, 7648..9360, 9451..9833, 10673..11436, 11498..11581		

Seq. No.	45638	Seq. ID	OJ000251_17.0331.C53
Gene No.	96620	Strand	-
Start	3340	End	15282
Name	OJ000251_17.0331.C53.o1.ts	Method	TBLASTX:Soybean
Start	3397	End	6252
GI	none	Score	81
Exons	3397..3495, 3612..3773, 4028..4237, 4442..4597, 4452..4553, 5602..5736, 5602..5736, 5888..6019, 5889..6014, 6005..6064, 6019..6063, 6154..6252		

Seq. No.	45638	Seq. ID	OJ000251_17.0331.C53
Gene No.	96620	Strand	-
Start	3340	End	15282
Name	OJ000251_17.0331.C53.o1.np	Method	AAT/NAP
Start	3398	End	6263
GI	6730738	Score	748
Exons	3398..3502, 3622..3798, 3993..4171, 4445..4540, 5605..5733, 5888..6064, 6151..6263		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		

Seq. No.	45638	Seq. ID	OJ000251_17.0331.C53
Gene No.	96620	Strand	-
Start	3340	End	15282
Name	OJ000251_17.0331.C53.o3.tm	Method	TBLASTX:Maize
Start	3400	End	6261
GI	none	Score	67
Exons	3400..3495, 3409..3480, 3428..3496, 3626..3793, 3627..3794, 3628..3795, 3630..3794, 3631..3795, 3988..4173, 3992..4237, 4017..4172, 4431..4565, 4442..4597, 5602..5736, 5605..5736, 5885..6019, 5886..6014, 5921..6064, 5972..6067, 6145..6261, 6154..6252		

Seq. No.	45638	Seq. ID	OJ000251_17.0331.C53
Gene No.	96620	Strand	-
Start	3340	End	15282
Name	OJ000251_17.0331.C53.o1.tc	Method	TBLASTX:Cress
Start	3406	End	5740

GI	none	Score	95
Exons	3406..3495, 3428..3499, 3624..3806, 4010..4237, 4442..4597, 4443..4541, 5602..5736, 5602..5739, 5648..5740		

Seq. No.	45638	Seq. ID	OJ000251_17.0331.C53
Gene No.	96620	Strand	-
Start	3340	End	15282
Name	OJ000251_17.0331.C53.o2.gp	Method	AAT/GAP
Start	3714	End	6054
GI	9604_1.R1084	Score	1155
Exons	3714..3794, 3986..4171, 4459..4540, 5605..5733, 5888..6054		
GI Descrip.	'5922612/dbj|BAA84613.1| 6.0e-33 (AP000492) EST AU078118(E3904) corresponds to a region of the predicted gene.; similar to Arabidopsis thaliana BAC IG002P16; No definition line found. (AF007270) [Oryza sativa]'		

Seq. No.	45638	Seq. ID	OJ000251_17.0331.C53
Gene No.	96620	Strand	-
Start	3340	End	15282
Name	OJ000251_17.0331.C53.o2.tw	Method	TBLASTX:Wheat
Start	4025	End	4175
GI	none	Score	184
Exons	4025..4174, 4026..4172, 4026..4175		

Seq. No.	45638	Seq. ID	OJ000251_17.0331.C53
Gene No.	96620	Strand	-
Start	3340	End	15282
Name	OJ000251_17.0331.C53.o2.np	Method	AAT/NAP
Start	5552	End	15282
GI	4680207	Score	630
Exons	5552..5586, 8343..8539, 8993..9749, 10673..10851, 10930..11582, 15210..15282		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	45638	Seq. ID	OJ000251_17.0331.C53
Gene No.	96620	Strand	-
Start	3340	End	15282
Name	OJ000251_17.0331.C53.o2.ts	Method	TBLASTX:Soybean
Start	8687	End	9805
GI	none	Score	66
Exons	8687..8815, 9125..9250, 9305..9421, 9305..9439, 9518..9586, 9537..9584, 9713..9805		

Seq. No.	45638	Seq. ID	OJ000251_17.0331.C53
Gene No.	96620	Strand	-
Start	3340	End	15282
Name	OJ000251_17.0331.C53.o4.tm	Method	TBLASTX:Maize
Start	9116	End	9439
GI	none	Score	113
Exons	9116..9259, 9120..9260, 9152..9280, 9302..9436, 9302..9439, 9303..9437		

Seq. No.	45638	Seq. ID	OJ000251_17.0331.C53
Gene No.	96620	Strand	-
Start	3340	End	15282
Name	OJ000251_17.0331.C53.o1.tw	Method	TBLASTX:Wheat

Start	9312	End	9641
GI	none	Score	274
Exons	9312..9641, 9314..9640		

Seq. No.	45638	Seq. ID	OJ000251_17.0331.C53
Gene No.	96620	Strand	-
Start	3340	End	15282
Name	OJ000251_17.0331.C53.o1.tm	Method	TBLASTX:Maize
Start	9440	End	9849
GI	none	Score	328
Exons	9440..9835, 9441..9836, 9458..9838, 9610..9849		

Seq. No.	45638	Seq. ID	OJ000251_17.0331.C53
Gene No.	96620	Strand	-
Start	3340	End	15282
Name	OJ000251_17.0331.C53.o2.tm	Method	TBLASTX:Maize
Start	11027	End	11551
GI	none	Score	141
Exons	11027..11278, 11047..11238, 11237..11278, 11317..11478, 11320..11469, 11471..11551		

Seq. No.	45639	Seq. ID	OJ000251_17.0331.C54
Gene No.	96621	Strand	+
Start	12	End	763
Name	OJ000251_17.0331.C54.o1.gs	Method	GENSCAN
Start	12	End	763
GI	none	Score	.72
Exons	12..145, 610..763		

Seq. No.	45639	Seq. ID	OJ000251_17.0331.C54
Gene No.	96622	Strand	+
Start	5990	End	8130
Name	OJ000251_17.0331.C54.o1.np	Method	AAT/NAP
Start	5990	End	8130
GI	6063554	Score	374
Exons	5990..6241, 6357..6590, 7288..7319, 7957..8130		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	45639	Seq. ID	OJ000251_17.0331.C54
Gene No.	96622	Strand	+
Start	5990	End	8130
Name	OJ000251_17.0331.C54.o1.gp	Method	AAT/GAP
Start	7271	End	7519
GI	101153_1.R1084	Score	342
Exons	7271..7519		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	45639	Seq. ID	OJ000251_17.0331.C54
Gene No.	96623	Strand	+
Start	8502	End	8775
Name	OJ000251_17.0331.C54.o2.gp	Method	AAT/GAP
Start	8502	End	8775
GI	61605_1.R1084	Score	452
Exons	8502..8775		

GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	45639	Seq. ID	OJ000251_17.0331.C54
Gene No.	96624	Strand	+
Start	9441	End	17141
Name	OJ000251_17.0331.C54.o2.np	Method	AAT/NAP
Start	9441	End	17141
GI	7248394	Score	287
Exons	9441..9520, 13992..14315, 14698..14963, 17026..17141		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	45639	Seq. ID	OJ000251_17.0331.C54
Gene No.	96624	Strand	+
Start	9441	End	17141
Name	OJ000251_17.0331.C54.o6.gs	Method	GENSCAN
Start	10808	End	13468
GI	none	Score	.79
Exons	10808..10907, 10958..11066, 11301..11461, 11667..13468		

Seq. No.	45639	Seq. ID	OJ000251_17.0331.C54
Gene No.	96624	Strand	+
Start	9441	End	17141
Name	OJ000251_17.0331.C54.o4.np	Method	AAT/NAP
Start	11341	End	15852
GI	4263831	Score	194
Exons	11341..11365, 15140..15460, 15580..15852		
GI Descrip.	(AC006067) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	45639	Seq. ID	OJ000251_17.0331.C54
Gene No.	96625	Strand	-
Start	1160	End	1381
Name	OJ000251_17.0331.C54.o2.gs	Method	GENSCAN
Start	1160	End	1381
GI	none	Score	.89
Exons	1160..1381		

Seq. No.	45639	Seq. ID	OJ000251_17.0331.C54
Gene No.	96626	Strand	-
Start	2055	End	3633
Name	OJ000251_17.0331.C54.o3.gs	Method	GENSCAN
Start	2055	End	3633
GI	none	Score	.71
Exons	2055..2351, 3409..3633		

Seq. No.	45639	Seq. ID	OJ000251_17.0331.C54
Gene No.	96627	Strand	-
Start	6043	End	6736
Name	OJ000251_17.0331.C54.o4.gs	Method	GENSCAN
Start	6043	End	6736
GI	none	Score	1
Exons	6043..6282, 6295..6579, 6602..6736		

Seq. No.	45639	Seq. ID	OJ000251_17.0331.C54
Gene No.	96628	Strand	-
Start	13750	End	17054
Name	OJ000251_17.0331.C54.o7.gs	Method	GENSCAN
Start	13750	End	17054
GI	none	Score	.6
Exons	13750..13916, 14756..14899, 16247..16410, 16518..16653, 16987..17054		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96629	Strand	+
Start	1656	End	5199
Name	OJ000251_17.0331.C55.o1.gs	Method	GENSCAN
Start	1656	End	5199
GI	none	Score	.79
Exons	1656..2510, 2604..2697, 2989..3103, 5024..5199		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96630	Strand	+
Start	5842	End	6201
Name	OJ000251_17.0331.C55.o2.gs	Method	GENSCAN
Start	5842	End	6201
GI	none	Score	.49
Exons	5842..5926, 6017..6042, 6052..6201		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96631	Strand	+
Start	7035	End	11266
Name	OJ000251_17.0331.C55.o1.np	Method	AAT/NAP
Start	7020	End	11251
GI	7489738	Score	4162
Exons	7020..9029, 9087..11251		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi|4234852|gb|AAD12997.1| (AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96631	Strand	+
Start	7035	End	11266
Name	OJ000251_17.0331.C55.o3.gs	Method	GENSCAN
Start	7035	End	9901
GI	none	Score	.51
Exons	7035..7672, 8216..8593, 8810..8921, 9272..9901		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96631	Strand	+
Start	7035	End	11266
Name	OJ000251_17.0331.C55.o4.gs	Method	GENSCAN
Start	10508	End	11266
GI	none	Score	.87
Exons	10508..11266		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96632	Strand	+
Start	17435	End	22329
Name	OJ000251_17.0331.C55.o6.gs	Method	GENSCAN

Start	17435	End	22329
GI	none	Score	.58
Exons	17435..17438, 18434..18535, 18689..18773, 19595..19890, 20926..21126, 21643..21837, 21998..22329		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96633	Strand	-
Start	4583	End	5148
Name	OJ000251_17.0331.C55.o1.gp	Method	AAT/GAP
Start	4583	End	5148
GI	uC-osflcyp088b12b1	Score	157
Exons	4583..4696, 5113..5148		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96634	Strand	-
Start	11934	End	15591
Name	OJ000251_17.0331.C55.o5.gs	Method	GENSCAN
Start	11934	End	15591
GI	none	Score	.68
Exons	11934..12221, 12236..13360, 15040..15280, 15356..15591		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96635	Strand	-
Start	21163	End	24886
Name	OJ000251_17.0331.C55.o2.np	Method	AAT/NAP
Start	21163	End	24886
GI	6016874	Score	2150
Exons	21163..21316, 21639..21887, 22012..22240, 22687..23049, 23167..23346, 23740..23899, 24290..24522, 24587..24724, 24808..24886		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96635	Strand	-
Start	21163	End	24886
Name	OJ000251_17.0331.C55.o7.gs	Method	GENSCAN
Start	22706	End	24886
GI	none	Score	.7
Exons	22706..23166, 23740..23899, 24434..24522, 24587..24724, 24808..24886		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96635	Strand	-
Start	21163	End	24886
Name	OJ000251_17.0331.C55.o3.gp	Method	AAT/GAP
Start	23689	End	24197
GI	uC-osflcyp110c07b1	Score	958
Exons	23689..24197		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55

Gene No.	96636	Strand	-
Start	25260	End	25720
Name	OJ000251_17.0331.C55.o1.tm	Method	TBLASTX:Maize
Start	7170	End	8068
GI	none	Score	217
Exons	7170..7397, 7193..7408, 7398..7610, 7407..7646, 7420..7665, 7779..7883, 7994..8068		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96636	Strand	-
Start	25260	End	25720
Name	OJ000251_17.0331.C55.o2.ts	Method	TBLASTX:Soybean
Start	8358	End	8759
GI	none	Score	110
Exons	8358..8474, 8378..8464, 8454..8759, 8495..8650, 8631..8747		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96636	Strand	-
Start	25260	End	25720
Name	OJ000251_17.0331.C55.o2.tw	Method	TBLASTX:Wheat
Start	8534	End	9246
GI	none	Score	249
Exons	8534..8773, 8535..8774, 8814..9035, 8862..9038, 8997..9155, 9184..9246		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96636	Strand	-
Start	25260	End	25720
Name	OJ000251_17.0331.C55.o6.tm	Method	TBLASTX:Maize
Start	8550	End	9008
GI	none	Score	121
Exons	8550..8774, 8823..9008, 8825..8986		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96636	Strand	-
Start	25260	End	25720
Name	OJ000251_17.0331.C55.o4.ts	Method	TBLASTX:Soybean
Start	8814	End	9246
GI	none	Score	190
Exons	8814..9023, 8816..8995, 9084..9146, 9187..9246		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96636	Strand	-
Start	25260	End	25720
Name	OJ000251_17.0331.C55.o1.ts	Method	TBLASTX:Soybean
Start	9731	End	10189
GI	5509260	Score	359
Exons	9731..10189, 9739..10092, 9743..10168		
GI Descrip.	-		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96636	Strand	-
Start	25260	End	25720
Name	OJ000251_17.0331.C55.o1.tc	Method	TBLASTX:Cress
Start	9818	End	10078
GI	none	Score	220
Exons	9818..10078, 9820..9942		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96636	Strand	-
Start	25260	End	25720
Name	OJ000251_17.0331.C55.o1.tw	Method	TBLASTX:Wheat
Start	9859	End	10639
GI	none	Score	334
Exons	9859..10200, 9860..10204, 9878..10213, 10190..10639, 10192..10290, 10345..10476, 10537..10635		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96636	Strand	-
Start	25260	End	25720
Name	OJ000251_17.0331.C55.o3.tm	Method	TBLASTX:Maize
Start	9859	End	10309
GI	none	Score	299
Exons	9859..10167, 9860..10309		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96636	Strand	-
Start	25260	End	25720
Name	OJ000251_17.0331.C55.o3.ts	Method	TBLASTX:Soybean
Start	10625	End	11197
GI	none	Score	238
Exons	10625..11017, 10783..10998, 11015..11197		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96636	Strand	-
Start	25260	End	25720
Name	OJ000251_17.0331.C55.o5.tm	Method	TBLASTX:Maize
Start	10625	End	11212
GI	none	Score	228
Exons	10625..10969, 10747..10932, 11021..11212		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96636	Strand	-
Start	25260	End	25720
Name	OJ000251_17.0331.C55.o3.tw	Method	TBLASTX:Wheat
Start	10732	End	11197
GI	none	Score	294
Exons	10732..11031, 10733..11197		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96636	Strand	-
Start	25260	End	25720
Name	OJ000251_17.0331.C55.o4.tm	Method	TBLASTX:Maize
Start	22772	End	23015
GI	none	Score	97
Exons	22772..23005, 22857..23015		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96636	Strand	-
Start	25260	End	25720
Name	OJ000251_17.0331.C55.o8.tm	Method	TBLASTX:Maize
Start	23127	End	23479
GI	none	Score	136
Exons	23127..23468, 23198..23479		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96636	Strand	-
Start	25260	End	25720
Name	OJ000251_17.0331.C55.o7.tm	Method	TBLASTX:Maize
Start	23684	End	23998
GI	none	Score	106
Exons	23684..23911, 23685..23903, 23924..23998		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96636	Strand	-
Start	25260	End	25720
Name	OJ000251_17.0331.C55.o2.tm	Method	TBLASTX:Maize
Start	24092	End	24538
GI	none	Score	110
Exons	24092..24130, 24125..24187, 24188..24466, 24258..24443, 24452..24538		

Seq. No.	45640	Seq. ID	OJ000251_17.0331.C55
Gene No.	96636	Strand	-
Start	25260	End	25720
Name	OJ000251_17.0331.C55.o8.gs	Method	GENSCAN
Start	25260	End	25720
GI	none	Score	.56
Exons	25260..25559, 25649..25720		

Seq. No.	45641	Seq. ID	OJ000251_17.0331.C56
Gene No.	96637	Strand	-
Start	1	End	2528
Name	OJ000251_17.0331.C56.o1.np	Method	AAT/NAP
Start	1	End	2528
GI	7339698	Score	833
Exons	1..115, 839..1029, 1735..2528		
GI Descrip.	(AP001539) Similar to Caenorhabditis elegans chromosome V cosmid T10G3; Homo sapiens endosomal protein P162 (Z81118) [Oryza sativa]		

Seq. No.	45641	Seq. ID	OJ000251_17.0331.C56
Gene No.	96637	Strand	-
Start	1	End	2528
Name	OJ000251_17.0331.C56.o1.gs	Method	GENSCAN
Start	14	End	2499
GI	none	Score	.87
Exons	14..138, 865..1029, 1735..2499		

Seq. No.	45641	Seq. ID	OJ000251_17.0331.C56
Gene No.	96637	Strand	-
Start	1	End	2528
Name	OJ000251_17.0331.C56.o1.ts	Method	TBLASTX:Soybean
Start	1732	End	2395
GI	none	Score	58
Exons	1732..2133, 1735..1899, 1934..2134, 2140..2394, 2141..2395		

Seq. No.	45641	Seq. ID	OJ000251_17.0331.C56
Gene No.	96637	Strand	-
Start	1	End	2528
Name	OJ000251_17.0331.C56.o1.tm	Method	TBLASTX:Maize

Start	1763	End	2394
GI	none	Score	271
Exons	1763..2071, 1774..2073, 1775..2071, 2051..2134, 2052..2132, 2053..2133, 2320..2394		

Seq. No.	45642	Seq. ID	OJ000251_17.0331.C57
Gene No.	96638	Strand	+
Start	961	End	9013
Name	OJ000251_17.0331.C57.o2.gs	Method	GENSCAN
Start	961	End	8209
GI	none	Score	.53
Exons	961..1033, 1266..1384, 1823..1865, 1898..2022, 3500..3629, 4787..5746, 6744..8209		

Seq. No.	45642	Seq. ID	OJ000251_17.0331.C57
Gene No.	96638	Strand	+
Start	961	End	9013
Name	OJ000251_17.0331.C57.o2.np	Method	AAT/NAP
Start	4807	End	9013
GI	2160156	Score	3491
Exons	4807..5722, 6663..9013		
GI Descrip.	(AC000132) Strong similarity to S. pombe leucyl-tRNA synthetase (gb|Z73100). [Arabidopsis thaliana]		

Seq. No.	45642	Seq. ID	OJ000251_17.0331.C57
Gene No.	96639	Strand	-
Start	1	End	2040
Name	OJ000251_17.0331.C57.o1.np	Method	AAT/NAP
Start	1	End	2040
GI	7339698	Score	350
Exons	1..124, 192..640, 1967..2040		
GI Descrip.	(AP001539) Similar to Caenorhabditis elegans chromosome V cosmid T10G3; Homo sapiens endosomal protein P162 (Z81118) [Oryza sativa]		

Seq. No.	45642	Seq. ID	OJ000251_17.0331.C57
Gene No.	96639	Strand	-
Start	1	End	2040
Name	OJ000251_17.0331.C57.o3.tm	Method	TBLASTX:Maize
Start	1	End	328
GI	none	Score	119
Exons	1..117, 2..136, 2..118, 3..128, 191..328, 198..326		

Seq. No.	45642	Seq. ID	OJ000251_17.0331.C57
Gene No.	96639	Strand	-
Start	1	End	2040
Name	OJ000251_17.0331.C57.o1.gs	Method	GENSCAN
Start	24	End	694
GI	none	Score	.74
Exons	24..134, 202..694		

Seq. No.	45642	Seq. ID	OJ000251_17.0331.C57
Gene No.	96640	Strand	
Start	4815	End	5093
Name	OJ000251_17.0331.C57.o2.tc	Method	TBLASTX:Cress
Start	4815	End	5093
GI	none	Score	304

Exons	4815..5093, 4816..5091		
Seq. No.	45642	Seq. ID	OJ000251_17.0331.C57
Gene No.	96640	Strand	
Start	4815	End	5093
Name	OJ000251_17.0331.C57.o5.ts	Method	TBLASTX:Soybean
Start	4822	End	5079
GI	none	Score	118
Exons	4822..4929, 4824..4925, 4920..5075, 4921..5079		
Seq. No.	45642	Seq. ID	OJ000251_17.0331.C57
Gene No.	96641	Strand	
Start	5296	End	5658
Name	OJ000251_17.0331.C57.o1.tc	Method	TBLASTX:Cress
Start	5296	End	5658
GI	none	Score	464
Exons	5296..5658, 5360..5569, 5361..5648		
Seq. No.	45642	Seq. ID	OJ000251_17.0331.C57
Gene No.	96642	Strand	
Start	6812	End	7162
Name	OJ000251_17.0331.C57.o2.tm	Method	TBLASTX:Maize
Start	6812	End	7120
GI	none	Score	377
Exons	6812..7120, 6813..6893, 6814..7098, 6818..7114		
Seq. No.	45642	Seq. ID	OJ000251_17.0331.C57
Gene No.	96642	Strand	
Start	6812	End	7162
Name	OJ000251_17.0331.C57.o3.ts	Method	TBLASTX:Soybean
Start	6826	End	7162
GI	none	Score	368
Exons	6826..7101, 6827..7162		
Seq. No.	45642	Seq. ID	OJ000251_17.0331.C57
Gene No.	96643	Strand	
Start	7160	End	9046
Name	OJ000251_17.0331.C57.o1.tm	Method	TBLASTX:Maize
Start	7160	End	9013
GI	none	Score	1416
Exons	7160..8173, 7162..8163, 8172..8744, 8176..8745, 8747..8911, 8748..8954, 8897..9013, 8914..9012		
Seq. No.	45642	Seq. ID	OJ000251_17.0331.C57
Gene No.	96643	Strand	
Start	7160	End	9046
Name	OJ000251_17.0331.C57.o1.ts	Method	TBLASTX:Soybean
Start	7162	End	7924
GI	none	Score	675
Exons	7162..7689, 7163..7717, 7694..7924, 7713..7922, 7714..7923		
Seq. No.	45642	Seq. ID	OJ000251_17.0331.C57
Gene No.	96643	Strand	
Start	7160	End	9046
Name	OJ000251_17.0331.C57.o4.ts	Method	TBLASTX:Soybean
Start	7925	End	8265
GI	none	Score	295

Exons	7925..8173, 7927..8157, 8179..8265, 8190..8264		
Seq. No.	45642	Seq. ID	OJ000251_17.0331.C57
Gene No.	96643	Strand	
Start	7160	End	9046
Name	OJ000251_17.0331.C57.o2.ts	Method	TBLASTX:Soybean
Start	8347	End	9013
GI	none	Score	176
Exons	8347..8568, 8373..8561, 8571..8741, 8572..8742, 8578..8751, 8745..8912, 8748..8891, 8750..8911, 8894..9013, 8935..9009		
Seq. No.	45642	Seq. ID	OJ000251_17.0331.C57
Gene No.	96643	Strand	
Start	7160	End	9046
Name	OJ000251_17.0331.C57.o3.tc	Method	TBLASTX:Cress
Start	8434	End	8795
GI	none	Score	80
Exons	8434..8565, 8439..8504, 8571..8741, 8572..8745, 8748..8795, 8751..8792		
Seq. No.	45642	Seq. ID	OJ000251_17.0331.C57
Gene No.	96643	Strand	
Start	7160	End	9046
Name	OJ000251_17.0331.C57.o1.tw	Method	TBLASTX:Wheat
Start	8667	End	9046
GI	none	Score	69
Exons	8667..8744, 8668..8745, 8748..8924, 8750..8911, 8897..9046, 8917..9021		
Seq. No.	45643	Seq. ID	OJ000251_17.0331.C59
Gene No.	96644	Strand	+
Start	412	End	9721
Name	OJ000251_17.0331.C59.o1.gs	Method	GENSCAN
Start	412	End	9721
GI	none	Score	.85
Exons	412..474, 4373..4450, 6538..6654, 6955..7054, 7224..7324, 9629..9721		
Seq. No.	45643	Seq. ID	OJ000251_17.0331.C59
Gene No.	96644	Strand	+
Start	412	End	9721
Name	OJ000251_17.0331.C59.o1.np	Method	AAT/NAP
Start	1306	End	7336
GI	1352200	Score	1113
Exons	1306..1374, 1487..1552, 1647..1725, 3032..3152, 3248..3343, 4164..4276, 4373..4450, 6538..6654, 6955..7054, 7224..7336		
GI Descrip.	TRIOSE PHOSPHATE/PHOSPHATE TRANSLOCATOR, CHLOROPLAST PRECURSOR (CTPT) gi|480909|pir||S37497 triose phosphate/3-phosphoglycerate/phosphate translocator - maize gi|405635|emb|CAA81349| (Z26595) triose phosphate/phosphate translocator [Zea mays]		
Seq. No.	45643	Seq. ID	OJ000251_17.0331.C59
Gene No.	96644	Strand	+
Start	412	End	9721
Name	OJ000251_17.0331.C59.o1.gp	Method	AAT/GAP
Start	6568	End	8060

GI	uC-osflcyp174c09b1	Score	910
Exons	6568..6654, 6955..7054, 7224..7324, 7854..8060		
GI Descrip.	'480737/pir||S37224 4.0e-42 triose phosphate/3-phosphoglycerate/phosphate translocator - common tobacco >gi_629694_pir__S42583 phosphate translocator - common tobacco >gi_403023_emb_CAA52979.1_ (X75088) phosphate translocator [Nicotiana tabacum]'		

Seq. No.	45643	Seq. ID	OJ000251_17.0331.C59
Gene No.	96645	Strand	-
Start	10391	End	13527
Name	OJ000251_17.0331.C59.o2.np	Method	AAT/NAP
Start	10391	End	13527
GI	7485807	Score	106
Exons	10391..10416, 11988..12163, 13508..13527		
GI Descrip.	hypothetical protein F19I3.23 - Arabidopsis thaliana gi|3033395|gb|AAC12839.1| (AC004238) putative C3HC4-type RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	45643	Seq. ID	OJ000251_17.0331.C59
Gene No.	96645	Strand	-
Start	10391	End	13527
Name	OJ000251_17.0331.C59.o2.gs	Method	GENSCAN
Start	11931	End	12566
GI	none	Score	1
Exons	11931..12566		

Seq. No.	45643	Seq. ID	OJ000251_17.0331.C59
Gene No.	96646	Strand	-
Start	15119	End	16016
Name	OJ000251_17.0331.C59.o1.tm	Method	TBLASTX:Maize
Start	1306	End	4453
GI	none	Score	123
Exons	1306..1377, 1307..1378, 1314..1385, 1475..1528, 1479..1559, 1485..1553, 1487..1567, 1647..1724, 1647..1724, 1648..1725, 3031..3150, 3031..3150, 3035..3154, 3237..3344, 3241..3345, 4162..4275, 4163..4276, 4367..4453, 4372..4449		

Seq. No.	45643	Seq. ID	OJ000251_17.0331.C59
Gene No.	96646	Strand	-
Start	15119	End	16016
Name	OJ000251_17.0331.C59.o1.ts	Method	TBLASTX:Soybean
Start	1315	End	7321
GI	none	Score	99
Exons	1315..1377, 1316..1378, 1479..1568, 1485..1553, 1487..1567, 1647..1724, 1648..1725, 3031..3150, 3032..3091, 3050..3154, 3237..3371, 3241..3345, 3241..3375, 4162..4275, 4163..4276, 4367..4453, 4372..4449, 6538..6657, 6540..6656, 6948..7058, 6951..7055, 6952..7056, 7104..7136, 7223..7321		

Seq. No.	45643	Seq. ID	OJ000251_17.0331.C59
Gene No.	96646	Strand	-
Start	15119	End	16016
Name	OJ000251_17.0331.C59.o2.tc	Method	TBLASTX:Cress
Start	1318	End	3345
GI	none	Score	93
Exons	1318..1377, 1319..1378, 1479..1568, 1487..1567, 1647..1724,		

1648..1725, 3031..3150, 3032..3091, 3237..3344, 3241..3345

Seq. No.	45643	Seq. ID	OJ000251_17.0331.C59
Gene No.	96646	Strand	-
Start	15119	End	16016
Name	OJ000251_17.0331.C59.o1.tc	Method	TBLASTX:Cress
Start	4160	End	7321
GI	none	Score	164
Exons	4160..4276, 4162..4275, 4367..4453, 4372..4452, 6538..6645, 6540..6635, 6940..7056, 6954..7055, 7223..7276, 7277..7321		

Seq. No.	45643	Seq. ID	OJ000251_17.0331.C59
Gene No.	96646	Strand	-
Start	15119	End	16016
Name	OJ000251_17.0331.C59.o2.tm	Method	TBLASTX:Maize
Start	6537	End	7327
GI	none	Score	185
Exons	6537..6677, 6538..6654, 6918..7055, 6944..7054, 6948..7058, 6952..7056, 7222..7311, 7223..7327, 7223..7327		

Seq. No.	45643	Seq. ID	OJ000251_17.0331.C59
Gene No.	96646	Strand	-
Start	15119	End	16016
Name	OJ000251_17.0331.C59.o3.np	Method	AAT/NAP
Start	15119	End	16016
GI	7460056	Score	236
Exons	15119..15200, 15330..15444, 15554..15662, 15837..16016		
GI Descrip.	hypothetical protein T5K18.180 - Arabidopsis thaliana gi|3080370|emb|CAA18627.1| (AL022580) hypothetical protein [Arabidopsis thaliana] gi|7268735|emb|CAB78942.1| (AL161550) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45644	Seq. ID	OJ000301_18.0330.C1
Gene No.	96647	Strand	+
Start	1	End	825
Name	OJ000301_18.0330.C1.o1.np	Method	AAT/NAP
Start	1	End	825
GI	7437214	Score	270
Exons	1..118, 268..394, 802..825		
GI Descrip.	probable ferrochelatase (EC 4.99.1.1) - barley gi|2460251|gb|AAB71887.1| (AF020791) ferrochelatase [Hordeum vulgare]		

Seq. No.	45644	Seq. ID	OJ000301_18.0330.C1
Gene No.	96647	Strand	+
Start	1	End	825
Name	OJ000301_18.0330.C1.o1.tm	Method	TBLASTX:Maize
Start	43	End	379
GI	none	Score	116
Exons	43..117, 44..118, 45..119, 265..378, 266..379		

Seq. No.	45644	Seq. ID	OJ000301_18.0330.C1
Gene No.	96647	Strand	+
Start	1	End	825
Name	OJ000301_18.0330.C1.o1.ts	Method	TBLASTX:Soybean
Start	45	End	370
GI	none	Score	95

Exons	45..119, 47..97, 266..370, 268..369		
Seq. No.	45645	Seq. ID	OJ000301_18.0330.C2
Gene No.	96648	Strand	+
Start	154	End	1058
Name	OJ000301_18.0330.C2.o1.gp	Method	AAT/GAP
Start	154	End	838
GI	61190_1.R1084	Score	356
Exons	154..257, 743..838		
GI Descrip.	'1170242/sp|P42045|HEMZ_HORVU 4.0e-54 FERROCHELATASE PRECURSOR (PROTOHEME FERRO-LYASE) (HEME SYNTHETASE) >gi_474966_dbj_BAA05101_ (D26105) ferrochelatase [Hordeum vulgare]'		
Seq. No.	45645	Seq. ID	OJ000301_18.0330.C2
Gene No.	96648	Strand	+
Start	154	End	1058
Name	OJ000301_18.0330.C2.o1.gs	Method	GENSCAN
Start	157	End	1058
GI	none	Score	.55
Exons	157..257, 638..1058		
Seq. No.	45645	Seq. ID	OJ000301_18.0330.C2
Gene No.	96648	Strand	+
Start	154	End	1058
Name	OJ000301_18.0330.C2.o1.np	Method	AAT/NAP
Start	157	End	1055
GI	1170242	Score	575
Exons	157..257, 743..1055		
GI Descrip.	FERROCHELATASE PRECURSOR (PROTOHEME FERRO-LYASE) (HEME SYNTHETASE) gi|7437215|pir||T05736 probable ferrochelatase (EC 4.99.1.1) - barley gi|474966|dbj|BAA05101.1| (D26105) ferrochelatase [Hordeum vulgare]		
Seq. No.	45645	Seq. ID	OJ000301_18.0330.C2
Gene No.	96649	Strand	-
Start	1949	End	4374
Name	OJ000301_18.0330.C2.o2.gp	Method	AAT/GAP
Start	1819	End	3037
GI	13023_1.R1084	Score	1340
Exons	1819..2267, 2362..2487, 2898..3037		
GI Descrip.	'4510363/gb|AAD21451.1| 6.0e-67 (AC007017) putative DNA-binding protein [Arabidopsis thaliana]'		
Seq. No.	45645	Seq. ID	OJ000301_18.0330.C2
Gene No.	96649	Strand	-
Start	1949	End	4374
Name	OJ000301_18.0330.C2.o2.gs	Method	GENSCAN
Start	1949	End	4374
GI	none	Score	.83
Exons	1949..2035, 2157..2267, 2362..2487, 2898..3021, 4301..4374		
Seq. No.	45645	Seq. ID	OJ000301_18.0330.C2
Gene No.	96649	Strand	-
Start	1949	End	4374
Name	OJ000301_18.0330.C2.o2.np	Method	AAT/NAP
Start	2130	End	3068

GI	4510363	Score	603
Exons	2130..2267, 2362..2487, 2898..3068		
GI Descrip.	(AC007017) putative ubiquitin-conjugating enzyme [Arabidopsis thaliana]		

Seq. No.	45645	Seq. ID	OJ000301_18.0330.C2
Gene No.	96650	Strand	-
Start	4327	End	4689
Name	OJ000301_18.0330.C2.o2.tm	Method	TBLASTX:Maize
Start	127	End	947
GI	none	Score	175
Exons	127..255, 133..249, 156..278, 738..947, 738..893		

Seq. No.	45645	Seq. ID	OJ000301_18.0330.C2
Gene No.	96650	Strand	-
Start	4327	End	4689
Name	OJ000301_18.0330.C2.o2.tc	Method	TBLASTX:Cress
Start	148	End	1046
GI	none	Score	163
Exons	148..252, 151..255, 156..278, 736..885, 738..917, 740..955, 936..1046, 974..1045		

Seq. No.	45645	Seq. ID	OJ000301_18.0330.C2
Gene No.	96650	Strand	-
Start	4327	End	4689
Name	OJ000301_18.0330.C2.o2.ts	Method	TBLASTX:Soybean
Start	151	End	1058
GI	none	Score	171
Exons	151..255, 154..255, 155..256, 156..278, 738..1058, 740..1045		

Seq. No.	45645	Seq. ID	OJ000301_18.0330.C2
Gene No.	96650	Strand	-
Start	4327	End	4689
Name	OJ000301_18.0330.C2.o1.tm	Method	TBLASTX:Maize
Start	2103	End	3039
GI	none	Score	181
Exons	2103..2267, 2103..2267, 2113..2280, 2128..2277, 2357..2488, 2359..2487, 2876..3037, 2898..3038, 2898..3038, 2905..3039		

Seq. No.	45645	Seq. ID	OJ000301_18.0330.C2
Gene No.	96650	Strand	-
Start	4327	End	4689
Name	OJ000301_18.0330.C2.o1.tw	Method	TBLASTX:Wheat
Start	2118	End	3004
GI	none	Score	167
Exons	2118..2267, 2118..2267, 2128..2268, 2128..2268, 2357..2488, 2359..2487, 2362..2490, 2898..2999, 2909..2992, 2909..3004		

Seq. No.	45645	Seq. ID	OJ000301_18.0330.C2
Gene No.	96650	Strand	-
Start	4327	End	4689
Name	OJ000301_18.0330.C2.o1.tc	Method	TBLASTX:Cress
Start	2127	End	2490
GI	none	Score	140
Exons	2127..2267, 2128..2268, 2353..2490, 2359..2487		

Seq. No.	45645	Seq. ID	OJ000301_18.0330.C2

Gene No.	96650	Strand	-
Start	4327	End	4689
Name	OJ000301_18.0330.C2.o1.ts	Method	TBLASTX:Soybean
Start	2127	End	3070
GI	none	Score	151
Exons	2127..2267, 2128..2268, 2180..2272, 2359..2487, 2365..2481, 2891..3070, 2898..3038		

Seq. No.	45645	Seq. ID	OJ000301_18.0330.C2
Gene No.	96650	Strand	-
Start	4327	End	4689
Name	OJ000301_18.0330.C2.o3.tc	Method	TBLASTX:Cress
Start	2892	End	3070
GI	none	Score	158
Exons	2892..3038, 2893..3039, 2895..3038, 2902..3042, 2906..3070, 2906..3043		

Seq. No.	45645	Seq. ID	OJ000301_18.0330.C2
Gene No.	96650	Strand	-
Start	4327	End	4689
Name	OJ000301_18.0330.C2.o3.gp	Method	AAT/GAP
Start	4327	End	4689
GI	none	Score	672
Exons	4327..4689		

Seq. No.	45646	Seq. ID	OJ000301_18.0330.C3
Gene No.	96651	Strand	-
Start	401	End	2090
Name	OJ000301_18.0330.C3.o1.np	Method	AAT/NAP
Start	401	End	2090
GI	6815062	Score	1820
Exons	401..633, 688..708, 1007..1346, 1424..1523, 1605..1950, 1994..2090		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	45646	Seq. ID	OJ000301_18.0330.C3
Gene No.	96651	Strand	-
Start	401	End	2090
Name	OJ000301_18.0330.C3.o1.tm	Method	TBLASTX:Maize
Start	1263	End	2088
GI	none	Score	60
Exons	1263..1361, 1605..1901, 1993..2019, 2026..2088		

Seq. No.	45647	Seq. ID	OJ000301_18.0330.C4
Gene No.	96652	Strand	-
Start	35	End	808
Name	OJ000301_18.0330.C4.o1.gs	Method	GENSCAN
Start	35	End	808
GI	none	Score	.53
Exons	35..195, 227..808		

Seq. No.	45647	Seq. ID	OJ000301_18.0330.C4
Gene No.	96652	Strand	-
Start	35	End	808
Name	OJ000301_18.0330.C4.o1.np	Method	AAT/NAP

Start	214	End	514
GI	6815062	Score	453
Exons	214..514		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	45647	Seq. ID	OJ000301_18.0330.C4
Gene No.	96652	Strand	-
Start	35	End	808
Name	OJ000301_18.0330.C4.o1.tm	Method	TBLASTX:Maize
Start	224	End	473
GI	none	Score	55
Exons	224..295, 314..460, 314..469, 348..473, 348..470		

Seq. No.	45648	Seq. ID	OJ000301_18.0330.C6
Gene No.	96653	Strand	-
Start	292	End	954
Name	OJ000301_18.0330.C6.o1.gs	Method	GENSCAN
Start	292	End	954
GI	none	Score	.53
Exons	292..402, 481..636, 948..954		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96654	Strand	+
Start	2545	End	3171
Name	OJ000301_18.0330.C7.o2.gs	Method	GENSCAN
Start	2545	End	3171
GI	none	Score	.76
Exons	2545..2589, 2679..2790, 2834..2878, 2951..3171		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96655	Strand	+
Start	3214	End	4850
Name	OJ000301_18.0330.C7.o1.gp	Method	AAT/GAP
Start	3214	End	3551
GI	LIB3477-003-P1-K1-F9	Score	656
Exons	3214..3551		
GI Descrip.	'100347/pir||S25015 4.0e-24 monosaccharide transport protein MST1 - common tobacco >gi_19885_emb_CAA47324_ (X66856) monosaccharid transporter [Nicotiana tabacum]'		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96655	Strand	+
Start	3214	End	4850
Name	OJ000301_18.0330.C7.o1.np	Method	AAT/NAP
Start	3279	End	4841
GI	7446727	Score	1543
Exons	3279..4841		
GI Descrip.	monosaccharid transport protein - fava bean gi|1935021|emb|CAB07812.1| (Z93775) monosaccharid transport protein [Vicia faba]		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96655	Strand	+
Start	3214	End	4850
Name	OJ000301_18.0330.C7.o3.gs	Method	GENSCAN

Start	3279	End	4850
GI	none	Score	.89
Exons	3279..4850		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96656	Strand	+
Start	19441	End	28935
Name	OJ000301_18.0330.C7.o7.gs	Method	GENSCAN
Start	19441	End	28935
GI	none	Score	.7
Exons	19441..19605, 19679..19836, 21327..21426, 21509..21772, 22561..22594, 22631..22845, 23572..23758, 24413..24616, 24647..24762, 24904..25091, 25756..25847, 26064..26131, 26209..26292, 26485..26538, 27495..27551, 27638..27742, 28103..28206, 28540..28705, 28798..28935		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96656	Strand	+
Start	19441	End	28935
Name	OJ000301_18.0330.C7.o5.np	Method	AAT/NAP
Start	24673	End	28918
GI	3790102	Score	1680
Exons	24673..24762, 24925..25091, 25285..25397, 25578..25652, 25734..25847, 26064..26131, 26209..26292, 26485..26538, 26623..26703, 26798..26891, 27020..27093, 27175..27285, 27367..27411, 27495..27551, 27638..27742, 27891..28007, 28103..28206, 28540..28705, 28798..28918		
GI Descrip.	(AF095521) pyrophosphate-dependent phosphofructokinase alpha subunit [Citrus X paradisi]		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96657	Strand	+
Start	39392	End	39863
Name	OJ000301_18.0330.C7.o8.np	Method	AAT/NAP
Start	39392	End	39863
GI	4680186	Score	181
Exons	39392..39562, 39828..39863		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96658	Strand	-
Start	1321	End	1698
Name	OJ000301_18.0330.C7.o1.gs	Method	GENSCAN
Start	1321	End	1698
GI	none	Score	.62
Exons	1321..1698		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96659	Strand	-
Start	6855	End	14899
Name	OJ000301_18.0330.C7.o2.gp	Method	AAT/GAP
Start	6532	End	7384
GI	22470_1.R1084	Score	1160
Exons	6532..6931, 7015..7144, 7316..7384		
GI Descrip.	'1778147 1.0e-46 (U66403) phosphate/phosphoenolpyruvate translocator precursor [Zea mays]'		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96659	Strand	-
Start	6855	End	14899
Name	OJ000301_18.0330.C7.o4.gs	Method	GENSCAN
Start	6855	End	14899
GI	none	Score	.45
Exons	6855..6931, 7015..7144, 7316..7384, 7470..7589, 7879..7963, 8088..8173, 8285..8437, 8531..8653, 9497..9980, 10107..10402, 11209..11315, 11594..11746, 13055..13128, 13370..13833, 14897..14899		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96659	Strand	-
Start	6855	End	14899
Name	OJ000301_18.0330.C7.o2.np	Method	AAT/NAP
Start	6858	End	9880
GI	7489743	Score	1355
Exons	6858..6931, 7015..7144, 7316..7384, 7470..7589, 7879..7963, 8088..8173, 8285..8437, 8531..8653, 9497..9700, 9731..9880		
GI Descrip.	glucose-6-phosphate/phosphate-translocator precursor homolog - maize gi|1778149|gb|AAB40650.1| (U66404) phosphate/phosphoenolpyruvate translocator precursor [Zea mays]		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96659	Strand	-
Start	6855	End	14899
Name	OJ000301_18.0330.C7.o3.gp	Method	AAT/GAP
Start	7850	End	9584
GI	69303_1.R1084	Score	914
Exons	7850..7963, 8088..8173, 8285..8437, 8531..8653, 9497..9584		
GI Descrip.	'1778149 5.0e-80 (U66404) phosphate/phosphoenolpyruvate translocator precursor [Zea mays]'		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96659	Strand	-
Start	6855	End	14899
Name	OJ000301_18.0330.C7.o4.gp	Method	AAT/GAP
Start	9595	End	9931
GI	none	Score	670
Exons	9595..9931		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96659	Strand	-
Start	6855	End	14899
Name	OJ000301_18.0330.C7.o5.gp	Method	AAT/GAP
Start	13402	End	13860
GI	none	Score	910
Exons	13402..13860		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96660	Strand	-
Start	16223	End	16913
Name	OJ000301_18.0330.C7.o5.gs	Method	GENSCAN
Start	16223	End	16820
GI	none	Score	.99
Exons	16223..16665, 16739..16820		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96660	Strand	-
Start	16223	End	16913
Name	OJ000301_18.0330.C7.o3.np	Method	AAT/NAP
Start	16229	End	16826
GI	3868853	Score	319
Exons	16229..16634, 16708..16826		
GI Descrip.	(AB013853) GPI-anchored protein [Vigna radiata]		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96660	Strand	-
Start	16223	End	16913
Name	OJ000301_18.0330.C7.o7.gp	Method	AAT/GAP
Start	16369	End	16913
GI	uC-osflcyp144h08b1	Score	881
Exons	16369..16665, 16739..16913		
GI Descrip.	'3868853/dbj|BAA34247| 1.0e-20 (AB013853) GPI-anchored protein [Vigna radiata]'		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96661	Strand	-
Start	17807	End	18469
Name	OJ000301_18.0330.C7.o6.gs	Method	GENSCAN
Start	17807	End	18469
GI	none	Score	.98
Exons	17807..18469		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96662	Strand	-
Start	27798	End	27855
Name	OJ000301_18.0330.C7.o8.gp	Method	AAT/GAP
Start	27798	End	27855
GI	16490_1.R1084	Score	86
Exons	27798..27855		
GI Descrip.	'4584525/emb|CAB40756.1| 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o1.ts	Method	TBLASTX:Soybean
Start	3326	End	4793
GI	none	Score	217
Exons	3326..3475, 3327..3485, 3509..4012, 3510..3656, 3741..4037, 4047..4430, 4092..4295, 4154..4429, 4503..4622, 4505..4768, 4674..4793		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o9.tm	Method	TBLASTX:Maize
Start	3327	End	3697
GI	none	Score	216
Exons	3327..3476, 3332..3475, 3509..3697, 3510..3656		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-

Start	29725	End	39222
Name	OJ000301_18.0330.C7.o1.tc	Method	TBLASTX:Cress
Start	3330	End	4793
GI	none	Score	203
Exons	3330..3518, 3332..3481, 3509..4012, 3510..3656, 3741..4037, 4047..4433, 4071..4307, 4154..4432, 4502..4780, 4503..4622, 4674..4793		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o11.tm	Method	TBLASTX:Maize
Start	3741	End	3955
GI	none	Score	253
Exons	3741..3908, 3741..3866, 3743..3901, 3884..3955		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o4.tw	Method	TBLASTX:Wheat
Start	3773	End	4418
GI	none	Score	58
Exons	3773..3859, 4107..4292, 4113..4418, 4151..4408		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o2.tm	Method	TBLASTX:Maize
Start	4098	End	4793
GI	none	Score	363
Exons	4098..4430, 4098..4355, 4157..4429, 4503..4793, 4505..4780, 4722..4793		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o2.tw	Method	TBLASTX:Wheat
Start	4502	End	4790
GI	none	Score	290
Exons	4502..4783, 4503..4784, 4722..4790		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o4.tm	Method	TBLASTX:Maize
Start	6738	End	7367
GI	none	Score	320
Exons	6738..6938, 6738..6932, 6999..7145, 7011..7139, 7013..7171, 7015..7146, 7302..7367, 7314..7364		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o4.tc	Method	TBLASTX:Cress
Start	6837	End	9577
GI	none	Score	86
Exons	6837..6932, 6859..6933, 7011..7145, 7013..7147, 7013..7168,		

7299..7385, 7301..7417, 7470..7601, 7471..7590, 7877..7972, 7879..7962, 7890..7967, 8067..8213, 8081..8209, 8282..8434, 8285..8422, 8286..8441, 8319..8441, 8516..8656, 8535..8657, 9494..9577

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o7.ts	Method	TBLASTX:Soybean
Start	6846	End	7583
GI	none	Score	73
Exons	6846..6932, 6853..6933, 6930..6956, 7011..7145, 7013..7147, 7013..7168, 7301..7417, 7470..7583, 7471..7581		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o6.tm	Method	TBLASTX:Maize
Start	7470	End	9577
GI	none	Score	73
Exons	7470..7532, 7470..7601, 7471..7590, 7877..7963, 7879..7962, 7890..7970, 8067..8213, 8081..8209, 8282..8422, 8283..8492, 8516..8656, 8517..8657, 9485..9577		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o6.ts	Method	TBLASTX:Soybean
Start	7873	End	8441
GI	none	Score	72
Exons	7873..7959, 7874..7960, 8067..8213, 8081..8209, 8282..8422, 8286..8438, 8295..8441		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o4.ts	Method	TBLASTX:Soybean
Start	16316	End	16622
GI	none	Score	232
Exons	16316..16615, 16338..16622		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o3.tc	Method	TBLASTX:Cress
Start	16347	End	16616
GI	none	Score	263
Exons	16347..16616, 16349..16615		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o8.tm	Method	TBLASTX:Maize
Start	16371	End	16622
GI	none	Score	259
Exons	16371..16565, 16386..16622, 16391..16615		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o3.tw	Method	TBLASTX:Wheat
Start	16424	End	16619
GI	none	Score	193
Exons	16424..16615, 16425..16619		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o2.ts	Method	TBLASTX:Soybean
Start	24657	End	28893
GI	none	Score	114
Exons	24657..24758, 24670..24762, 24919..25044, 24924..25067, 25057..25125, 25282..25398, 25283..25399, 25574..25654, 25576..25653, 25715..25849, 25756..25854, 25964..26134, 26063..26134, 26206..26298, 26208..26297, 26482..26553, 26622..26711, 26629..26712, 26798..26917, 26806..26889, 27018..27083, 27019..27093, 27166..27297, 27171..27281, 27376..27414, 27492..27551, 27633..27743, 27637..27744, 27638..27745, 27890..28000, 27891..28004, 27892..28008, 28103..28204, 28105..28200, 28540..28641, 28541..28708, 28575..28709, 28774..28893, 28797..28892		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o12.tm	Method	TBLASTX:Maize
Start	24660	End	26259
GI	none	Score	59
Exons	24660..24719, 24661..24726, 24699..24758, 24709..24762, 24712..24765, 24919..25083, 24924..25046, 25282..25398, 25283..25399, 25283..25399, 25284..25403, 25562..25654, 25570..25656, 25576..25653, 25577..25654, 25721..25849, 25748..25849, 25762..25854, 26048..26134, 26051..26131, 26059..26139, 26206..26259, 26208..26258		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o5.tm	Method	TBLASTX:Maize
Start	26260	End	27700
GI	none	Score	64
Exons	26260..26298, 26482..26553, 26484..26537, 26620..26706, 26621..26704, 26622..26711, 26629..26712, 26798..26917, 26798..26878, 26806..26886, 27019..27117, 27187..27282, 27376..27414, 27492..27551, 27637..27693, 27638..27700		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o7.tm	Method	TBLASTX:Maize
Start	27701	End	28935
GI	none	Score	77
Exons	27701..27763, 27893..28006, 27894..28022, 28102..28206, 28103..28204, 28105..28212, 28107..28292, 28541..28708,		

28549..28641, 28578..28706, 28777..28935, 28797..28919

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o5.tc	Method	TBLASTX:Cress
Start	28583	End	28896
GI	none	Score	133
Exons	28583..28708, 28764..28892, 28774..28896		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o9.gp	Method	AAT/GAP
Start	29725	End	32286
GI	5480_1.R1084	Score	2262
Exons	29725..30046, 30255..30398, 30894..31013, 31087..31185, 31365..31476, 31577..31680, 31860..32039, 32130..32286		
GI Descrip.	'232172/sp|P30523|GLGS_WHEAT 1.0e-147 GLUCOSE-1-PHOSPHATE ADENYLYLTRANSFERASE SMALL SUBUNIT PRECURSOR (ADP-GLUCOSE SYNTHASE) (ADP-GLUCOSE PYROPHOSPHORYLASE) (AGPASE B) (ALPHA-D-GLUCOSE-1-PHOSPHATE ADENYL TRANSFERASE) >gi_481816_pir__S39504 glucose-1-phosphate adenylyltransferase (EC 2.7.7.27) - wheat >gi_21687_emb_CAA46879_ (X66080) ADP-glucose pyrophosphorylase [Triticum aestivum]'		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o3.tm	Method	TBLASTX:Maize
Start	29742	End	30942
GI	none	Score	488
Exons	29742..30056, 29742..30056, 29743..30057, 29744..30058, 30252..30401, 30252..30404, 30253..30405, 30253..30405, 30254..30406, 30882..30941, 30891..30941, 30895..30942, 30895..30942		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o5.ts	Method	TBLASTX:Soybean
Start	30231	End	32193
GI	none	Score	126
Exons	30231..30401, 30236..30385, 30273..30404, 30274..30405, 30274..30405, 30885..31022, 30895..31014, 30896..31015, 31063..31185, 31087..31188, 31365..31478, 31366..31479, 31372..31482, 31577..31681, 31579..31680, 31854..32045, 31858..32040, 31859..32044, 32127..32192, 32128..32193		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o2.tc	Method	TBLASTX:Cress
Start	30280	End	33876
GI	none	Score	142
Exons	30280..30405, 30282..30404, 30885..31022, 30895..31014, 31063..31185, 31087..31188, 31133..31198, 31365..31478,		

31366..31479, 31577..31681, 31579..31680, 31787..32041,
31854..32057, 31857..32042, 31858..32058, 32127..32402,
32128..32400, 32128..32406, 32225..32407, 32883..33179,
32883..33179, 32974..33180, 33802..33876

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o8.gs	Method	GENSCAN
Start	30282	End	39222
GI	none	Score	.88
Exons	30282..30398, 30894..31013, 31087..31185, 31365..31476, 31577..31680, 31860..32039, 32130..32399, 32883..33179, 33480..33565, 33802..34047, 36567..36750, 36844..37126, 38600..38767, 39143..39222		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o6.np	Method	AAT/NAP
Start	30285	End	34052
GI	1707940	Score	1918
Exons	30285..30398, 30894..31013, 31087..31185, 31365..31476, 31577..31680, 31860..32039, 32130..32399, 32883..33179, 33802..34052		
GI Descrip.	GLUCOSE-1-PHOSPHATE ADENYLYLTRANSFERASE SMALL SUBUNIT PRECURSOR (ADP-GLUCOSE SYNTHASE) (ADP-GLUCOSE PYROPHOSPHORYLASE) (AGPASE B) (ALPHA-D-GLUCOSE-1-PHOSPHATE ADENYL TRANSFERASE) gi|2130036|pir||S61479 glucose-1-phosphate adenylyltransferase (EC 2.7.7.27) small chain B - barley gi|1143502|emb|CAA88450| (Z48563) ADP-glucose pyrophosphorylase small subunit [Hordeum v		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o13.tm	Method	TBLASTX:Maize
Start	30943	End	33180
GI	none	Score	87
Exons	30943..31014, 30943..30978, 30948..31022, 31063..31185, 31072..31185, 31086..31196, 31365..31433, 31366..31431, 33085..33180, 33087..33179		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o1.tm	Method	TBLASTX:Maize
Start	31434	End	33137
GI	none	Score	57
Exons	31434..31478, 31435..31479, 31560..31679, 31577..31681, 31579..31680, 31796..32026, 31854..32045, 31857..32087, 32109..32402, 32119..32409, 32131..32406, 32222..32425, 32876..33082, 32883..33083, 32883..33083, 32974..33084, 33108..33137, 33109..33135		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222

Name	OJ000301_18.0330.C7.o1.tw	Method	TBLASTX:Wheat
Start	31854	End	32316
GI	none	Score	239
Exons	31854..32045, 31857..32039, 31858..32058, 32127..32306, 32128..32316, 32128..32316		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o3.ts	Method	TBLASTX:Soybean
Start	32210	End	33877
GI	none	Score	216
Exons	32210..32401, 32211..32402, 32212..32400, 32212..32406, 32222..32407, 32883..33179, 32883..33179, 32974..33180, 33779..33877, 33805..33876		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o10.gp	Method	AAT/GAP
Start	32958	End	33108
GI	LIB3477-006-P1-K1-A5	Score	281
Exons	32958..33108		
GI Descrip.	'5917789/gb|AAD56041.1|AF184597_1 9.0e-19 (AF184597) ADP-glucose pyrophosphorylase small subunit [Citrus unshiu]'		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o7.np	Method	AAT/NAP
Start	34183	End	37126
GI	6815107	Score	415
Exons	34183..34239, 36299..37126		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	45649	Seq. ID	OJ000301_18.0330.C7
Gene No.	96663	Strand	-
Start	29725	End	39222
Name	OJ000301_18.0330.C7.o10.tm	Method	TBLASTX:Maize
Start	36748	End	37116
GI	none	Score	79
Exons	36748..36912, 36800..36913, 36925..37116, 36925..37116		

Seq. No.	45650	Seq. ID	OJ000301_18.0330.C8
Gene No.	96664	Strand	+
Start	1089	End	1779
Name	OJ000301_18.0330.C8.o1.np	Method	AAT/NAP
Start	1089	End	1779
GI	6907086	Score	261
Exons	1089..1779		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	45650	Seq. ID	OJ000301_18.0330.C8
Gene No.	96664	Strand	+
Start	1089	End	1779
Name	OJ000301_18.0330.C8.o1.gs	Method	GENSCAN

Start	1427	End	1750
GI	none	Score	.94
Exons	1427..1750		

Seq. No.	45651	Seq. ID	OJ000301_18.0330.C9
Gene No.	96665	Strand	+
Start	339	End	1242
Name	OJ000301_18.0330.C9.o1.gs	Method	GENSCAN
Start	339	End	1242
GI	none	Score	.62
Exons	339..471, 1121..1242		

Seq. No.	45652	Seq. ID	OJ000301_18.0330.C10
Gene No.	96666	Strand	+
Start	133	End	751
Name	OJ000301_18.0330.C10.o1.gs	Method	GENSCAN
Start	133	End	751
GI	none	Score	.87
Exons	133..306, 368..751		

Seq. No.	45652	Seq. ID	OJ000301_18.0330.C10
Gene No.	96667	Strand	+
Start	1559	End	3344
Name	OJ000301_18.0330.C10.o1.np	Method	AAT/NAP
Start	1559	End	3344
GI	7531109	Score	231
Exons	1559..1619, 1877..2400, 3291..3344		
GI Descrip.	ETHYLENE RESPONSIVE ELEMENT BINDING FACTOR 3 (ATERF3) gi|3434971|dbj|BAA32420.1| (AB008105) ethylene responsive element binding factor 3 [Arabidopsis thaliana]		

Seq. No.	45652	Seq. ID	OJ000301_18.0330.C10
Gene No.	96668	Strand	+
Start	4220	End	14670
Name	OJ000301_18.0330.C10.o2.np	Method	AAT/NAP
Start	3744	End	8449
GI	7248394	Score	266
Exons	3744..3786, 7370..7695, 8079..8449		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	45652	Seq. ID	OJ000301_18.0330.C10
Gene No.	96668	Strand	+
Start	4220	End	14670
Name	OJ000301_18.0330.C10.o3.gs	Method	GENSCAN
Start	4220	End	13636
GI	none	Score	.54
Exons	4220..4280, 4286..4439, 5116..5946, 6133..6323, 6546..6867, 7044..7276, 8938..9081, 9211..9307, 9390..9466, 9865..9978, 10401..10523, 11190..11245, 11793..11922, 12288..12376, 12915..12983, 13376..13433, 13521..13636		

Seq. No.	45652	Seq. ID	OJ000301_18.0330.C10
Gene No.	96668	Strand	+

Start	4220	End	14670
Name	OJ000301_18.0330.C10.o3.np	Method	AAT/NAP
Start	7432	End	10580
GI	629693	Score	91
Exons	7432..7466, 8545..8809, 10515..10580		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	45652	Seq. ID	OJ000301_18.0330.C10
Gene No.	96668	Strand	+
Start	4220	End	14670
Name	OJ000301_18.0330.C10.o1.gp	Method	AAT/GAP
Start	9245	End	9526
GI	31877_1.R1084	Score	213
Exons	9245..9314, 9449..9526		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	45652	Seq. ID	OJ000301_18.0330.C10
Gene No.	96668	Strand	+
Start	4220	End	14670
Name	OJ000301_18.0330.C10.o4.np	Method	AAT/NAP
Start	9941	End	14670
GI	7299015	Score	279
Exons	9941..10030, 11177..11272, 11799..11922, 12288..12376, 12915..12983, 13376..13484, 13577..13632, 14626..14670		
GI Descrip.	(AE003678) CG9615 gene product [Drosophila melanogaster]		

Seq. No.	45652	Seq. ID	OJ000301_18.0330.C10
Gene No.	96668	Strand	+
Start	4220	End	14670
Name	OJ000301_18.0330.C10.o2.gp	Method	AAT/GAP
Start	13567	End	14670
GI	uC-osflcyp034g01b1	Score	194
Exons	13567..13632, 14626..14670		
GI Descrip.	'5701965/emb|CAB52157.1| 1.0e-18 (AL109736) WD repeat protein [Schizosaccharomyces pombe]'		

Seq. No.	45652	Seq. ID	OJ000301_18.0330.C10
Gene No.	96669	Strand	-
Start	2215	End	3196
Name	OJ000301_18.0330.C10.o1.ts	Method	TBLASTX:Soybean
Start	1884	End	2391
GI	none	Score	65
Exons	1884..1976, 1890..1973, 1891..2001, 1892..2017, 2058..2081, 2062..2079, 2179..2220, 2275..2391		

Seq. No.	45652	Seq. ID	OJ000301_18.0330.C10
Gene No.	96669	Strand	-
Start	2215	End	3196
Name	OJ000301_18.0330.C10.o1.tc	Method	TBLASTX:Cress
Start	1890	End	2397
GI	none	Score	149
Exons	1890..1970, 1894..2001, 2058..2087, 2179..2220, 2269..2397, 2280..2393		

Seq. No.	45652	Seq. ID	OJ000301_18.0330.C10

Gene No.	96669	Strand	-
Start	2215	End	3196
Name	OJ000301_18.0330.C10.o2.gs	Method	GENSCAN
Start	2215	End	3196
GI	none	Score	.78
Exons	2215..2327, 2367..2442, 2536..2659, 3066..3196		

Seq. No.	45652	Seq. ID	OJ000301_18.0330.C10
Gene No.	96670	Strand	
Start	10460	End	12378
Name	OJ000301_18.0330.C10.o1.tm	Method	TBLASTX:Maize
Start	10460	End	12377
GI	none	Score	99
Exons	10460..10525, 10461..10526, 11176..11271, 11177..11281, 11786..11863, 11792..11923, 11793..11924, 12279..12371, 12282..12377, 12290..12376		

Seq. No.	45652	Seq. ID	OJ000301_18.0330.C10
Gene No.	96670	Strand	
Start	10460	End	12378
Name	OJ000301_18.0330.C10.o2.ts	Method	TBLASTX:Soybean
Start	10482	End	11915
GI	none	Score	64
Exons	10482..10526, 11176..11268, 11177..11272, 11789..11914, 11796..11915		

Seq. No.	45652	Seq. ID	OJ000301_18.0330.C10
Gene No.	96670	Strand	
Start	10460	End	12378
Name	OJ000301_18.0330.C10.o2.tc	Method	TBLASTX:Cress
Start	11176	End	12378
GI	none	Score	142
Exons	11176..11268, 11177..11272, 11793..11924, 11795..11923, 12299..12373, 12307..12378		

Seq. No.	45653	Seq. ID	OJ000301_18.0330.C11
Gene No.	96671	Strand	+
Start	74	End	362
Name	OJ000301_18.0330.C11.o1.gp	Method	AAT/GAP
Start	74	End	362
GI	uC-osflcyp066d12a1	Score	553
Exons	74..362		
GI Descrip.	'5701965/emb|CAB52157.1| 2.0e-09 (AL109736) WD repeat protein [Schizosaccharomyces pombe]'		

Seq. No.	45653	Seq. ID	OJ000301_18.0330.C11
Gene No.	96671	Strand	+
Start	74	End	362
Name	OJ000301_18.0330.C11.o1.gs	Method	GENSCAN
Start	79	End	113
GI	none	Score	.77
Exons	79..113		

Seq. No.	45653	Seq. ID	OJ000301_18.0330.C11
Gene No.	96672	Strand	-
Start	1117	End	5659
Name	OJ000301_18.0330.C11.o2.tm	Method	TBLASTX:Maize

Start	888	End	1434
GI	none	Score	73
Exons	888..917, 977..1027, 1083..1175, 1108..1206, 1108..1215, 1195..1227, 1195..1230, 1198..1434, 1231..1383, 1251..1427		

Seq. No.	45653	Seq. ID	OJ000301_18.0330.C11
Gene No.	96672	Strand	-
Start	1117	End	5659
Name	OJ000301_18.0330.C11.o1.tw	Method	TBLASTX:Wheat
Start	930	End	1230
GI	none	Score	39
Exons	930..962, 930..956, 1022..1072, 1026..1070, 1071..1175, 1080..1181, 1117..1227, 1117..1230		

Seq. No.	45653	Seq. ID	OJ000301_18.0330.C11
Gene No.	96672	Strand	-
Start	1117	End	5659
Name	OJ000301_18.0330.C11.o2.gs	Method	GENSCAN
Start	1117	End	5659
GI	none	Score	.88
Exons	1117..1925, 1970..2474, 3694..3786, 4934..5079, 5524..5659		

Seq. No.	45653	Seq. ID	OJ000301_18.0330.C11
Gene No.	96672	Strand	-
Start	1117	End	5659
Name	OJ000301_18.0330.C11.o1.tm	Method	TBLASTX:Maize
Start	1435	End	1941
GI	none	Score	141
Exons	1435..1584, 1435..1590, 1451..1621, 1588..1908, 1589..1909, 1888..1938, 1894..1941		

Seq. No.	45653	Seq. ID	OJ000301_18.0330.C11
Gene No.	96672	Strand	-
Start	1117	End	5659
Name	OJ000301_18.0330.C11.o2.np	Method	AAT/NAP
Start	1608	End	2474
GI	3928084	Score	213
Exons	1608..2474		
GI Descrip.	(AC005770) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	45653	Seq. ID	OJ000301_18.0330.C11
Gene No.	96672	Strand	-
Start	1117	End	5659
Name	OJ000301_18.0330.C11.o3.tm	Method	TBLASTX:Maize
Start	2268	End	5589
GI	none	Score	57
Exons	2268..2309, 2268..2303, 2304..2435, 2305..2436, 2396..2488, 2440..2475, 3687..3749, 3694..3756, 3696..3749, 5494..5589		

Seq. No.	45654	Seq. ID	OJ000301_18.0330.C12
Gene No.	96673	Strand	-
Start	8680	End	9511
Name	OJ000301_18.0330.C12.o1.gp	Method	AAT/GAP
Start	7436	End	8848
GI	none	Score	862
Exons	7436..7704, 8673..8848		

Seq. No.	45654	Seq. ID	OJ000301_18.0330.C12
Gene No.	96673	Strand	-
Start	8680	End	9511
Name	OJ000301_18.0330.C12.o1.tm	Method	TBLASTX:Maize
Start	8664	End	9194
GI	none	Score	148
Exons	8664..8804, 8669..8776, 8670..8783, 8671..8865, 8787..8933, 8798..9076, 8833..8991, 9002..9169, 9077..9151, 9079..9153, 9149..9193, 9149..9193, 9150..9194		

Seq. No.	45654	Seq. ID	OJ000301_18.0330.C12
Gene No.	96673	Strand	-
Start	8680	End	9511
Name	OJ000301_18.0330.C12.o2.gs	Method	GENSCAN
Start	8680	End	9511
GI	none	Score	.74
Exons	8680..9511		

Seq. No.	45655	Seq. ID	OJ000301_18.0330.C13
Gene No.	96674	Strand	+
Start	1457	End	30439
Name	OJ000301_18.0330.C13.o3.np	Method	AAT/NAP
Start	1457	End	10404
GI	6523547	Score	382
Exons	1457..1507, 4420..4599, 9319..9419, 9484..10404		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	45655	Seq. ID	OJ000301_18.0330.C13
Gene No.	96674	Strand	+
Start	1457	End	30439
Name	OJ000301_18.0330.C13.o2.gs	Method	GENSCAN
Start	8167	End	26252
GI	none	Score	.4
Exons	8167..8261, 8800..8830, 9712..9790, 9883..9963, 10203..10350, 11217..11269, 11852..12099, 13007..13198, 15486..15611, 15866..15932, 20357..20957, 21344..21452, 23308..23419, 23678..23881, 25282..25351, 25478..25547, 25944..26252		

Seq. No.	45655	Seq. ID	OJ000301_18.0330.C13
Gene No.	96674	Strand	+
Start	1457	End	30439
Name	OJ000301_18.0330.C13.o4.np	Method	AAT/NAP
Start	9127	End	10404
GI	6523547	Score	369
Exons	9127..9441, 9481..10404		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	45655	Seq. ID	OJ000301_18.0330.C13
Gene No.	96674	Strand	+
Start	1457	End	30439
Name	OJ000301_18.0330.C13.o5.np	Method	AAT/NAP
Start	11874	End	13209
GI	5080776	Score	92
Exons	11874..12105, 13163..13209		

GI Descrip. (AC007576) Similar to protein kinases [Arabidopsis thaliana]

Seq. No.	45655	Seq. ID	OJ000301_18.0330.C13
Gene No.	96674	Strand	+
Start	1457	End	30439
Name	OJ000301_18.0330.C13.o6.np	Method	AAT/NAP
Start	19895	End	30439
GI	7485694	Score	319
Exons	19895..19979, 20747..20844, 23653..23761, 24928..25057, 25475..25547, 25944..26085, 30351..30439		
GI Descrip.	hypothetical protein F18A5.30 - Arabidopsis thaliana gi|4455293|emb|CAB36828.1| (AL035528) putative protein [Arabidopsis thaliana] gi|7268068|emb|CAB78406.1| (AL161537) putative protein [Arabidopsis thaliana]		

Seq. No.	45655	Seq. ID	OJ000301_18.0330.C13
Gene No.	96674	Strand	+
Start	1457	End	30439
Name	OJ000301_18.0330.C13.o2.gp	Method	AAT/GAP
Start	25931	End	26578
GI	none	Score	1222
Exons	25931..26578		

Seq. No.	45655	Seq. ID	OJ000301_18.0330.C13
Gene No.	96674	Strand	+
Start	1457	End	30439
Name	OJ000301_18.0330.C13.o3.gs	Method	GENSCAN
Start	27774	End	28417
GI	none	Score	.87
Exons	27774..28003, 28008..28260, 28292..28417		

Seq. No.	45655	Seq. ID	OJ000301_18.0330.C13
Gene No.	96674	Strand	+
Start	1457	End	30439
Name	OJ000301_18.0330.C13.o7.np	Method	AAT/NAP
Start	27952	End	28765
GI	5852178	Score	428
Exons	27952..28260, 28292..28391, 28665..28765		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	45655	Seq. ID	OJ000301_18.0330.C13
Gene No.	96675	Strand	-
Start	1	End	1643
Name	OJ000301_18.0330.C13.o1.np	Method	AAT/NAP
Start	1	End	1643
GI	5823575	Score	423
Exons	1..37, 512..1109, 1139..1643		
GI Descrip.	(AL049730) putative protein [Arabidopsis thaliana]		

Seq. No.	45655	Seq. ID	OJ000301_18.0330.C13
Gene No.	96675	Strand	-
Start	1	End	1643
Name	OJ000301_18.0330.C13.o1.gp	Method	AAT/GAP
Start	826	End	1150
GI	2312064	Score	614
Exons	826..1150		

Seq. No.	45655	Seq. ID	OJ000301_18.0330.C13
Gene No.	96676	Strand	-
Start	29161	End	33534
Name	OJ000301_18.0330.C13.o1.tm	Method	TBLASTX:Maize
Start	1227	End	1528
GI	none	Score	69
Exons	1227..1301, 1227..1301, 1299..1526, 1300..1527, 1301..1528, 1302..1526		

Seq. No.	45655	Seq. ID	OJ000301_18.0330.C13
Gene No.	96676	Strand	-
Start	29161	End	33534
Name	OJ000301_18.0330.C13.o2.tm	Method	TBLASTX:Maize
Start	4265	End	4514
GI	none	Score	228
Exons	4265..4513, 4266..4514		

Seq. No.	45655	Seq. ID	OJ000301_18.0330.C13
Gene No.	96676	Strand	-
Start	29161	End	33534
Name	OJ000301_18.0330.C13.o4.tm	Method	TBLASTX:Maize
Start	11907	End	12150
GI	none	Score	97
Exons	11907..12101, 11953..12105, 11986..12093, 12090..12149, 12090..12149, 12091..12150		

Seq. No.	45655	Seq. ID	OJ000301_18.0330.C13
Gene No.	96676	Strand	-
Start	29161	End	33534
Name	OJ000301_18.0330.C13.o3.tm	Method	TBLASTX:Maize
Start	20743	End	26257
GI	none	Score	63
Exons	20743..20784, 20745..20783, 20766..20852, 20767..20835, 23677..23754, 23677..23757, 23678..23758, 23824..23880, 23825..23884, 23826..23879, 25281..25352, 25284..25349, 25477..25545, 25479..25547, 25482..25547, 25483..25548, 25927..26076, 25936..26013, 25941..26090, 25943..26089, 26097..26183, 26099..26191, 26100..26192, 26213..26254, 26213..26257		

Seq. No.	45655	Seq. ID	OJ000301_18.0330.C13
Gene No.	96676	Strand	-
Start	29161	End	33534
Name	OJ000301_18.0330.C13.o4.gs	Method	GENSCAN
Start	29161	End	33534
GI	none	Score	.49
Exons	29161..29338, 30916..31241, 32642..32795, 33446..33534		

Seq. No.	45656	Seq. ID	OJ000301_18.0330.C14
Gene No.	96677	Strand	+
Start	195	End	2814
Name	OJ000301_18.0330.C14.o1.gs	Method	GENSCAN
Start	195	End	2754
GI	none	Score	.75
Exons	195..230, 702..846, 1055..1131, 1222..1264, 1352..1409, 1998..2067, 2278..2754		

Seq. No.	45656	Seq. ID	OJ000301_18.0330.C14
Gene No.	96677	Strand	+
Start	195	End	2814
Name	OJ000301_18.0330.C14.o1.tm	Method	TBLASTX:Maize
Start	625	End	2763
GI	none	Score	47
Exons	625..672, 681..845, 681..833, 697..846, 698..847, 707..847, 1056..1130, 1057..1131, 1079..1135, 1084..1146, 1215..1274, 1222..1275, 1341..1409, 1351..1425, 1354..1422, 1355..1429, 1992..2069, 1996..2070, 1998..2069, 2006..2071, 2272..2673, 2277..2672, 2492..2728, 2643..2747, 2662..2763, 2669..2758		

Seq. No.	45656	Seq. ID	OJ000301_18.0330.C14
Gene No.	96677	Strand	+
Start	195	End	2814
Name	OJ000301_18.0330.C14.o2.ts	Method	TBLASTX:Soybean
Start	701	End	2037
GI	none	Score	38
Exons	701..760, 716..760, 738..833, 743..841, 748..837, 749..844, 762..845, 1056..1142, 1057..1131, 1079..1147, 1215..1262, 1222..1263, 1351..1425, 1996..2037		

Seq. No.	45656	Seq. ID	OJ000301_18.0330.C14
Gene No.	96677	Strand	+
Start	195	End	2814
Name	OJ000301_18.0330.C14.o1.np	Method	AAT/NAP
Start	726	End	2814
GI	6598621	Score	570
Exons	726..846, 1055..1131, 1222..1264, 1352..1409, 1998..2067, 2278..2382, 2419..2814		
GI Descrip.	(AC006837) transfactor-like protein [Arabidopsis thaliana]		

Seq. No.	45656	Seq. ID	OJ000301_18.0330.C14
Gene No.	96677	Strand	+
Start	195	End	2814
Name	OJ000301_18.0330.C14.o1.tc	Method	TBLASTX:Cress
Start	752	End	2643
GI	none	Score	124
Exons	752..847, 765..845, 1056..1142, 1057..1131, 1222..1275, 1224..1265, 1351..1425, 1996..2070, 1998..2069, 2272..2430, 2277..2429, 2538..2642, 2551..2643		

Seq. No.	45656	Seq. ID	OJ000301_18.0330.C14
Gene No.	96677	Strand	+
Start	195	End	2814
Name	OJ000301_18.0330.C14.o1.gp	Method	AAT/GAP
Start	1338	End	2337
GI	none	Score	319
Exons	1338..1409, 1998..2067, 2278..2337		

Seq. No.	45656	Seq. ID	OJ000301_18.0330.C14
Gene No.	96677	Strand	+
Start	195	End	2814
Name	OJ000301_18.0330.C14.o1.ts	Method	TBLASTX:Soybean
Start	2289	End	2715
GI	none	Score	154
Exons	2289..2435, 2290..2412, 2430..2456, 2524..2643, 2538..2642,		

2659..2715

Seq. No.	45657	Seq. ID	OJ000221_12.0331.C3
Gene No.	96678	Strand	-
Start	1	End	816
Name	OJ000221_12.0331.C3.o1.np	Method	AAT/NAP
Start	1	End	816
GI	6705984	Score	1186
Exons	1..816		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	45657	Seq. ID	OJ000221_12.0331.C3
Gene No.	96678	Strand	-
Start	1	End	816
Name	OJ000221_12.0331.C3.o2.tw	Method	TBLASTX:Wheat
Start	49	End	408
GI	none	Score	266
Exons	49..408, 59..403		

Seq. No.	45657	Seq. ID	OJ000221_12.0331.C3
Gene No.	96678	Strand	-
Start	1	End	816
Name	OJ000221_12.0331.C3.o1.tm	Method	TBLASTX:Maize
Start	153	End	502
GI	none	Score	314
Exons	153..404, 157..501, 158..502		

Seq. No.	45657	Seq. ID	OJ000221_12.0331.C3
Gene No.	96678	Strand	-
Start	1	End	816
Name	OJ000221_12.0331.C3.o1.tc	Method	TBLASTX:Cress
Start	220	End	589
GI	none	Score	223
Exons	220..585, 221..589		

Seq. No.	45657	Seq. ID	OJ000221_12.0331.C3
Gene No.	96678	Strand	-
Start	1	End	816
Name	OJ000221_12.0331.C3.o1.tw	Method	TBLASTX:Wheat
Start	536	End	816
GI	none	Score	250
Exons	536..814, 536..814, 556..816		

Seq. No.	45657	Seq. ID	OJ000221_12.0331.C3
Gene No.	96678	Strand	-
Start	1	End	816
Name	OJ000221_12.0331.C3.o2.tm	Method	TBLASTX:Maize
Start	592	End	756
GI	none	Score	97
Exons	592..756, 592..750		

Seq. No.	45658	Seq. ID	OJ000221_12.0331.C4
Gene No.	96679	Strand	+
Start	1	End	1329
Name	OJ000221_12.0331.C4.o2.np	Method	AAT/NAP
Start	1	End	1329
GI	7340881	Score	78

Exons	1..140, 556..767, 873..902, 1298..1329		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		
Seq. No.	45658	Seq. ID	OJ000221_12.0331.C4
Gene No.	96679	Strand	+
Start	1	End	1329
Name	OJ000221_12.0331.C4.o1.np	Method	AAT/NAP
Start	50	End	1329
GI	6721561	Score	127
Exons	50..140, 1305..1329		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	45658	Seq. ID	OJ000221_12.0331.C4
Gene No.	96680	Strand	-
Start	1	End	1329
Name	OJ000221_12.0331.C4.o3.np	Method	AAT/NAP
Start	1	End	1329
GI	6705984	Score	80
Exons	1..59, 1259..1329		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	45658	Seq. ID	OJ000221_12.0331.C4
Gene No.	96680	Strand	-
Start	1	End	1329
Name	OJ000221_12.0331.C4.o1.gs	Method	GENSCAN
Start	178	End	693
GI	none	Score	.72
Exons	178..283, 558..693		
Seq. No.	45659	Seq. ID	OJ000221_12.0331.C5
Gene No.	96681	Strand	-
Start	1	End	1013
Name	OJ000221_12.0331.C5.o1.np	Method	AAT/NAP
Start	1	End	1013
GI	6705984	Score	1052
Exons	1..1013		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	45659	Seq. ID	OJ000221_12.0331.C5
Gene No.	96681	Strand	-
Start	1	End	1013
Name	OJ000221_12.0331.C5.o1.gs	Method	GENSCAN
Start	84	End	938
GI	none	Score	.73
Exons	84..260, 337..571, 868..938		
Seq. No.	45659	Seq. ID	OJ000221_12.0331.C5
Gene No.	96681	Strand	-
Start	1	End	1013
Name	OJ000221_12.0331.C5.o2.tm	Method	TBLASTX:Maize
Start	147	End	399
GI	none	Score	145
Exons	147..299, 148..288, 158..331, 304..399		

Seq. No.	45659	Seq. ID	OJ000221_12.0331.C5
Gene No.	96681	Strand	-
Start	1	End	1013
Name	OJ000221_12.0331.C5.o1.tm	Method	TBLASTX:Maize
Start	454	End	714
GI	none	Score	103
Exons	454..714, 472..708, 512..712		

Seq. No.	45659	Seq. ID	OJ000221_12.0331.C5
Gene No.	96681	Strand	-
Start	1	End	1013
Name	OJ000221_12.0331.C5.o1.ts	Method	TBLASTX:Soybean
Start	472	End	714
GI	none	Score	97
Exons	472..708, 477..674, 487..714, 518..712		

Seq. No.	45659	Seq. ID	OJ000221_12.0331.C5
Gene No.	96681	Strand	-
Start	1	End	1013
Name	OJ000221_12.0331.C5.o1.tw	Method	TBLASTX:Wheat
Start	499	End	953
GI	none	Score	103
Exons	499..666, 500..661, 510..680, 552..665, 679..741, 685..741, 741..953, 742..933		

Seq. No.	45660	Seq. ID	OJ000221_12.0331.C6
Gene No.	96682	Strand	-
Start	2	End	1051
Name	OJ000221_12.0331.C6.o1.gs	Method	GENSCAN
Start	2	End	1051
GI	none	Score	.45
Exons	2..123, 548..735, 758..1051		

Seq. No.	45660	Seq. ID	OJ000221_12.0331.C6
Gene No.	96682	Strand	-
Start	2	End	1051
Name	OJ000221_12.0331.C6.o1.np	Method	AAT/NAP
Start	5	End	701
GI	6815052	Score	462
Exons	5..123, 392..467, 549..701		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	45660	Seq. ID	OJ000221_12.0331.C6
Gene No.	96682	Strand	-
Start	2	End	1051
Name	OJ000221_12.0331.C6.o2.np	Method	AAT/NAP
Start	754	End	1050
GI	6705984	Score	168
Exons	754..1050		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	45661	Seq. ID	OJ000221_12.0331.C7
Gene No.	96683	Strand	+
Start	1	End	845
Name	OJ000221_12.0331.C7.o1.np	Method	AAT/NAP
Start	1	End	845

GI	128835	Score	441
Exons	1..20, 536..845		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE 49 KD SUBUNIT, CHLOROPLAST (ORF 393) gi|66200|pir||DERZ49 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) 49K protein - rice chloroplast gi|12056|emb|CAA33911| (X15901) NADH dehydrogenase 49kDa protein [Oryza sativa] gi|226677|prf||1603356DE NADH dehydrogenase 49kD protein [Oryza sativa]		

Seq. No.	45661	Seq. ID	OJ000221_12.0331.C7
Gene No.	96683	Strand	+
Start	1	End	845
Name	OJ000221_12.0331.C7.o1.ts	Method	TBLASTX:Soybean
Start	537	End	843
GI	none	Score	90
Exons	537..587, 538..597, 547..705, 583..792, 584..802, 786..842, 787..843		

Seq. No.	45662	Seq. ID	OJ000221_12.0331.C10
Gene No.	96684	Strand	+
Start	1	End	393
Name	OJ000221_12.0331.C10.o1.np	Method	AAT/NAP
Start	1	End	393
GI	5042454	Score	71
Exons	1..23, 336..393		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	45662	Seq. ID	OJ000221_12.0331.C10
Gene No.	96685	Strand	+
Start	4300	End	8393
Name	OJ000221_12.0331.C10.o2.gs	Method	GENSCAN
Start	4300	End	8393
GI	none	Score	.78
Exons	4300..5561, 5655..6193, 6195..7502, 8182..8393		

Seq. No.	45662	Seq. ID	OJ000221_12.0331.C10
Gene No.	96685	Strand	+
Start	4300	End	8393
Name	OJ000221_12.0331.C10.o2.np	Method	AAT/NAP
Start	4300	End	7534
GI	6907089	Score	4209
Exons	4300..5561, 5655..7534		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	45662	Seq. ID	OJ000221_12.0331.C10
Gene No.	96686	Strand	-
Start	8181	End	8404
Name	OJ000221_12.0331.C10.o3.np	Method	AAT/NAP
Start	8181	End	8404
GI	6498441	Score	231
Exons	8181..8404		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	45663	Seq. ID	OJ000221_12.0331.C11
Gene No.	96687	Strand	-

Start	1	End	1278
Name	OJ000221_12.0331.C11.o1.np	Method	AAT/NAP
Start	1	End	1278
GI	7228457	Score	1976
Exons	1..962, 1029..1278		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	45663	Seq. ID	OJ000221_12.0331.C11
Gene No.	96687	Strand	-
Start	1	End	1278
Name	OJ000221_12.0331.C11.o1.tw	Method	TBLASTX:Wheat
Start	24	End	405
GI	none	Score	172
Exons	24..404, 55..303, 349..405		

Seq. No.	45663	Seq. ID	OJ000221_12.0331.C11
Gene No.	96687	Strand	-
Start	1	End	1278
Name	OJ000221_12.0331.C11.o1.gs	Method	GENSCAN
Start	47	End	1181
GI	none	Score	.56
Exons	47..1181		

Seq. No.	45663	Seq. ID	OJ000221_12.0331.C11
Gene No.	96687	Strand	-
Start	1	End	1278
Name	OJ000221_12.0331.C11.o1.tm	Method	TBLASTX:Maize
Start	180	End	542
GI	none	Score	192
Exons	180..227, 219..542, 232..513		

Seq. No.	45663	Seq. ID	OJ000221_12.0331.C11
Gene No.	96687	Strand	-
Start	1	End	1278
Name	OJ000221_12.0331.C11.o1.ts	Method	TBLASTX:Soybean
Start	795	End	1187
GI	5666795	Score	107
Exons	795..1010, 1050..1187		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	45663	Seq. ID	OJ000221_12.0331.C11
Gene No.	96687	Strand	-
Start	1	End	1278
Name	OJ000221_12.0331.C11.o2.tw	Method	TBLASTX:Wheat
Start	816	End	1206
GI	none	Score	100
Exons	816..1202, 859..1077, 963..1136, 1099..1206		

Seq. No.	45664	Seq. ID	OJ000221_12.0331.C12
Gene No.	96688	Strand	+
Start	4257	End	4538
Name	OJ000221_12.0331.C12.o2.np	Method	AAT/NAP
Start	4257	End	4538
GI	5922623	Score	87
Exons	4257..4358, 4477..4538		

GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	45664	Seq. ID	OJ000221_12.0331.C12
Gene No.	96689	Strand	-
Start	1	End	4180
Name	OJ000221_12.0331.C12.o1.np	Method	AAT/NAP
Start	1	End	4180
GI	7228457	Score	6084
Exons	1..796, 919..1753, 1817..3752, 3814..4180		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	45664	Seq. ID	OJ000221_12.0331.C12
Gene No.	96689	Strand	-
Start	1	End	4180
Name	OJ000221_12.0331.C12.o2.gs	Method	GENSCAN
Start	1754	End	4180
GI	none	Score	.85
Exons	1754..4180		
Seq. No.	45664	Seq. ID	OJ000221_12.0331.C12
Gene No.	96690	Strand	-
Start	4411	End	4538
Name	OJ000221_12.0331.C12.o5.tw	Method	TBLASTX:Wheat
Start	2	End	226
GI	none	Score	52
Exons	2..226, 16..78, 24..212		
Seq. No.	45664	Seq. ID	OJ000221_12.0331.C12
Gene No.	96690	Strand	-
Start	4411	End	4538
Name	OJ000221_12.0331.C12.o1.ts	Method	TBLASTX:Soybean
Start	725	End	1096
GI	none	Score	90
Exons	725..1096, 936..1079		
Seq. No.	45664	Seq. ID	OJ000221_12.0331.C12
Gene No.	96690	Strand	-
Start	4411	End	4538
Name	OJ000221_12.0331.C12.o2.tw	Method	TBLASTX:Wheat
Start	750	End	1174
GI	none	Score	275
Exons	750..1076, 755..1174, 985..1173		
Seq. No.	45664	Seq. ID	OJ000221_12.0331.C12
Gene No.	96690	Strand	-
Start	4411	End	4538
Name	OJ000221_12.0331.C12.o2.tm	Method	TBLASTX:Maize
Start	848	End	1232
GI	none	Score	162
Exons	848..1231, 867..1088, 1146..1232		
Seq. No.	45664	Seq. ID	OJ000221_12.0331.C12
Gene No.	96690	Strand	-

Start	4411	End	4538
Name	OJ000221_12.0331.C12.o1.tm	Method	TBLASTX:Maize
Start	1259	End	1615
GI	none	Score	118
Exons	1259..1561, 1259..1615, 1269..1580		

Seq. No.	45664	Seq. ID	OJ000221_12.0331.C12
Gene No.	96690	Strand	-
Start	4411	End	4538
Name	OJ000221_12.0331.C12.o1.tw	Method	TBLASTX:Wheat
Start	1283	End	1746
GI	none	Score	400
Exons	1283..1744, 1284..1745, 1303..1746		

Seq. No.	45664	Seq. ID	OJ000221_12.0331.C12
Gene No.	96690	Strand	-
Start	4411	End	4538
Name	OJ000221_12.0331.C12.o2.ts	Method	TBLASTX:Soybean
Start	1340	End	1705
GI	none	Score	117
Exons	1340..1474, 1481..1705		

Seq. No.	45664	Seq. ID	OJ000221_12.0331.C12
Gene No.	96690	Strand	-
Start	4411	End	4538
Name	OJ000221_12.0331.C12.o3.tw	Method	TBLASTX:Wheat
Start	1913	End	2396
GI	none	Score	162
Exons	1913..2395, 1941..2201, 2223..2396		

Seq. No.	45664	Seq. ID	OJ000221_12.0331.C12
Gene No.	96690	Strand	-
Start	4411	End	4538
Name	OJ000221_12.0331.C12.o4.tw	Method	TBLASTX:Wheat
Start	3134	End	3526
GI	none	Score	89
Exons	3134..3391, 3168..3407, 3374..3472, 3375..3455, 3479..3526		

Seq. No.	45664	Seq. ID	OJ000221_12.0331.C12
Gene No.	96690	Strand	-
Start	4411	End	4538
Name	OJ000221_12.0331.C12.o3.tm	Method	TBLASTX:Maize
Start	3236	End	3521
GI	none	Score	103
Exons	3236..3484, 3237..3521		

Seq. No.	45664	Seq. ID	OJ000221_12.0331.C12
Gene No.	96690	Strand	-
Start	4411	End	4538
Name	OJ000221_12.0331.C12.o3.np	Method	AAT/NAP
Start	4411	End	4538
GI	5042454	Score	77
Exons	4411..4538		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	45665	Seq. ID	OJ000221_12.0331.C13
Gene No.	96691	Strand	+

Start	70	End	153
Name	OJ000221_12.0331.C13.o1.gs	Method	GENSCAN
Start	70	End	153
GI	none	Score	.68
Exons	70..153		

Seq. No.	45665	Seq. ID	OJ000221_12.0331.C13
Gene No.	96692	Strand	-
Start	811	End	1361
Name	OJ000221_12.0331.C13.o2.gs	Method	GENSCAN
Start	811	End	1361
GI	none	Score	.47
Exons	811..828, 877..1176, 1302..1361		

Seq. No.	45666	Seq. ID	OJ000221_12.0331.C14
Gene No.	96693	Strand	-
Start	1	End	1024
Name	OJ000221_12.0331.C14.o1.np	Method	AAT/NAP
Start	1	End	1024
GI	4680179	Score	1410
Exons	1..1024		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	45666	Seq. ID	OJ000221_12.0331.C14
Gene No.	96693	Strand	-
Start	1	End	1024
Name	OJ000221_12.0331.C14.o2.tm	Method	TBLASTX:Maize
Start	2	End	253
GI	none	Score	74
Exons	2..253, 27..143		

Seq. No.	45666	Seq. ID	OJ000221_12.0331.C14
Gene No.	96693	Strand	-
Start	1	End	1024
Name	OJ000221_12.0331.C14.o2.tw	Method	TBLASTX:Wheat
Start	2	End	392
GI	none	Score	218
Exons	2..391, 9..392		

Seq. No.	45666	Seq. ID	OJ000221_12.0331.C14
Gene No.	96693	Strand	-
Start	1	End	1024
Name	OJ000221_12.0331.C14.o1.tw	Method	TBLASTX:Wheat
Start	392	End	895
GI	none	Score	359
Exons	392..895, 474..863		

Seq. No.	45666	Seq. ID	OJ000221_12.0331.C14
Gene No.	96693	Strand	-
Start	1	End	1024
Name	OJ000221_12.0331.C14.o1.tm	Method	TBLASTX:Maize
Start	461	End	824
GI	none	Score	176
Exons	461..823, 470..823, 474..824		

Seq. No.	45666	Seq. ID	OJ000221_12.0331.C14
Gene No.	96693	Strand	-

Start	1	End	1024
Name	OJ000221_12.0331.C14.o1.ts	Method	TBLASTX:Soybean
Start	644	End	889
GI	none	Score	93
Exons	644..889, 645..872		

Seq. No.	45666	Seq. ID	OJ000221_12.0331.C14
Gene No.	96693	Strand	-
Start	1	End	1024
Name	OJ000221_12.0331.C14.o3.tm	Method	TBLASTX:Maize
Start	830	End	1005
GI	none	Score	52
Exons	830..916, 831..914, 919..1005, 929..1000		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96694	Strand	-
Start	1	End	4860
Name	OJ000221_12.0331.C15.o1.np	Method	AAT/NAP
Start	1	End	2545
GI	4680179	Score	1513
Exons	1..56, 665..1447, 1481..2545		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96694	Strand	-
Start	1	End	4860
Name	OJ000221_12.0331.C15.o1.gs	Method	GENSCAN
Start	590	End	4755
GI	none	Score	.4
Exons	590..1878, 1966..2542, 2768..2796, 2835..3600, 4690..4755		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96694	Strand	-
Start	1	End	4860
Name	OJ000221_12.0331.C15.o1.gp	Method	AAT/GAP
Start	2871	End	3325
GI	95437_1.R1084	Score	774
Exons	2871..3325		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96694	Strand	-
Start	1	End	4860
Name	OJ000221_12.0331.C15.o2.gp	Method	AAT/GAP
Start	4476	End	4860
GI	uC-osflcyp033a04b1	Score	616
Exons	4476..4860		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96695	Strand	-
Start	5739	End	6320
Name	OJ000221_12.0331.C15.o3.gs	Method	GENSCAN
Start	5739	End	6320

GI	none	Score	.99
Exons	5739..6320		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o4.tw	Method	TBLASTX:Wheat
Start	668	End	9786
GI	none	Score	111
Exons	668..778, 693..887, 833..883, 9304..9681, 9307..9672, 9347..9682, 9736..9786		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o5.tm	Method	TBLASTX:Maize
Start	668	End	9774
GI	none	Score	117
Exons	668..871, 693..872, 9485..9676, 9487..9678, 9487..9774		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o8.tw	Method	TBLASTX:Wheat
Start	998	End	10323
GI	none	Score	71
Exons	998..1165, 1053..1166, 1211..1420, 1212..1364, 9901..10068, 9956..10069, 10114..10323, 10175..10267		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o7.tm	Method	TBLASTX:Maize
Start	1101	End	10359
GI	none	Score	49
Exons	1101..1193, 1103..1456, 1287..1364, 10004..10096, 10006..10359, 10190..10267		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o7.tw	Method	TBLASTX:Wheat
Start	1736	End	11000
GI	none	Score	112
Exons	1736..2086, 1893..2087, 10642..10992, 10799..10993, 10824..11000		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o6.tm	Method	TBLASTX:Maize
Start	1781	End	10992
GI	none	Score	90
Exons	1781..2086, 1956..2072, 10687..10992, 10862..10978		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091

Name	OJ000221_12.0331.C15.o9.tw	Method	TBLASTX:Wheat
Start	2121	End	11091
GI	none	Score	110
Exons	2121..2318, 2123..2320, 11029..11091		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o4.gs	Method	GENSCAN
Start	6946	End	10959
GI	none	Score	.94
Exons	6946..10959		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o2.np	Method	AAT/NAP
Start	6949	End	11091
GI	4680179	Score	5205
Exons	6949..10350, 10384..11091		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o6.tw	Method	TBLASTX:Wheat
Start	6994	End	7327
GI	none	Score	123
Exons	6994..7326, 7015..7323, 7058..7327		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o1.tm	Method	TBLASTX:Maize
Start	7174	End	7773
GI	none	Score	218
Exons	7174..7614, 7190..7615, 7612..7773, 7619..7765		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o1.tw	Method	TBLASTX:Wheat
Start	7327	End	7953
GI	none	Score	64
Exons	7327..7953, 7330..7452, 7439..7897		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o4.tm	Method	TBLASTX:Maize
Start	7822	End	8114
GI	none	Score	210
Exons	7822..8112, 7826..8113, 7926..8114		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091

Name	OJ000221_12.0331.C15.o2.ts	Method	TBLASTX:Soybean
Start	7911	End	8172
GI	none	Score	159
Exons	7911..8042, 7912..8172, 7913..8167		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o1.tc	Method	TBLASTX:Cress
Start	7936	End	8253
GI	none	Score	78
Exons	7936..8079, 7937..8077, 8080..8253		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o2.tw	Method	TBLASTX:Wheat
Start	7959	End	8527
GI	none	Score	75
Exons	7959..8207, 7960..8415, 7960..8493, 7964..8527		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o2.tm	Method	TBLASTX:Maize
Start	8527	End	8881
GI	none	Score	240
Exons	8527..8880, 8531..8881		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o3.tw	Method	TBLASTX:Wheat
Start	8530	End	8952
GI	none	Score	371
Exons	8530..8952, 8531..8920, 8542..8952		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o3.ts	Method	TBLASTX:Soybean
Start	8701	End	8946
GI	none	Score	93
Exons	8701..8946, 8702..8929		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o3.tm	Method	TBLASTX:Maize
Start	8917	End	9417
GI	none	Score	50
Exons	8917..9231, 8960..9010, 9038..9166, 9238..9417, 9263..9409		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o5.tw	Method	TBLASTX:Wheat

Start	8953	End	9255
GI	none	Score	267
Exons	8953..9255, 8969..9253, 9147..9254		

Seq. No.	45667	Seq. ID	OJ000221_12.0331.C15
Gene No.	96696	Strand	-
Start	6946	End	11091
Name	OJ000221_12.0331.C15.o1.ts	Method	TBLASTX:Soybean
Start	8968	End	9363
GI	none	Score	188
Exons	8968..9327, 8969..9259, 9287..9325, 9331..9363, 9332..9361		

Seq. No.	45668	Seq. ID	OJ000221_12.0331.C16
Gene No.	96697	Strand	-
Start	597	End	830
Name	OJ000221_12.0331.C16.o1.np	Method	AAT/NAP
Start	597	End	830
GI	6983860	Score	315
Exons	597..830		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	45669	Seq. ID	OJ000221_12.0331.C19
Gene No.	96698	Strand	+
Start	822	End	1252
Name	OJ000221_12.0331.C19.o1.gs	Method	GENSCAN
Start	822	End	1243
GI	none	Score	.45
Exons	822..951, 994..1243		

Seq. No.	45669	Seq. ID	OJ000221_12.0331.C19
Gene No.	96698	Strand	+
Start	822	End	1252
Name	OJ000221_12.0331.C19.o1.np	Method	AAT/NAP
Start	822	End	1252
GI	6983858	Score	148
Exons	822..1252		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	45669	Seq. ID	OJ000221_12.0331.C19
Gene No.	96698	Strand	+
Start	822	End	1252
Name	OJ000221_12.0331.C19.o1.gp	Method	AAT/GAP
Start	1097	End	1252
GI	95437_1.R1084	Score	292
Exons	1097..1252		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	45670	Seq. ID	OJ000221_12.0331.C22
Gene No.	96699	Strand	+
Start	10	End	1215
Name	OJ000221_12.0331.C22.o1.np	Method	AAT/NAP
Start	10	End	1215
GI	6983860	Score	885

Exons	10..1215		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		
Seq. No.	45670	Seq. ID	OJ000221_12.0331.C22
Gene No.	96699	Strand	+
Start	10	End	1215
Name	OJ000221_12.0331.C22.o1.gs	Method	GENSCAN
Start	115	End	1146
GI	none	Score	.43
Exons	115..857, 953..1146		
Seq. No.	45670	Seq. ID	OJ000221_12.0331.C22
Gene No.	96699	Strand	+
Start	10	End	1215
Name	OJ000221_12.0331.C22.o2.tw	Method	TBLASTX:Wheat
Start	133	End	392
GI	none	Score	211
Exons	133..267, 193..390, 195..392		
Seq. No.	45670	Seq. ID	OJ000221_12.0331.C22
Gene No.	96699	Strand	+
Start	10	End	1215
Name	OJ000221_12.0331.C22.o1.tw	Method	TBLASTX:Wheat
Start	426	End	777
GI	none	Score	297
Exons	426..620, 427..777		
Seq. No.	45670	Seq. ID	OJ000221_12.0331.C22
Gene No.	96699	Strand	+
Start	10	End	1215
Name	OJ000221_12.0331.C22.o1.tm	Method	TBLASTX:Maize
Start	427	End	732
GI	none	Score	236
Exons	427..732, 441..557		
Seq. No.	45671	Seq. ID	OJ000221_12.0331.C23
Gene No.	96700	Strand	-
Start	686	End	856
Name	OJ000221_12.0331.C23.o1.np	Method	AAT/NAP
Start	686	End	856
GI	4680186	Score	133
Exons	686..856		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	45672	Seq. ID	OJ000221_12.0331.C24
Gene No.	96701	Strand	+
Start	1	End	1107
Name	OJ000221_12.0331.C24.o1.np	Method	AAT/NAP
Start	1	End	609
GI	5902447	Score	1008
Exons	1..609		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		
Seq. No.	45672	Seq. ID	OJ000221_12.0331.C24
Gene No.	96701	Strand	+
Start	1	End	1107

Name	OJ000221_12.0331.C24.o1.gs	Method	GENSCAN
Start	184	End	1107
GI	none	Score	.51
Exons	184..580, 655..855, 994..1107		

Seq. No.	45673	Seq. ID	OJ000221_12.0331.C25
Gene No.	96702	Strand	+
Start	1	End	847
Name	OJ000221_12.0331.C25.o1.np	Method	AAT/NAP
Start	1	End	844
GI	7228457	Score	974
Exons	1..844		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	45673	Seq. ID	OJ000221_12.0331.C25
Gene No.	96702	Strand	+
Start	1	End	847
Name	OJ000221_12.0331.C25.o1.gs	Method	GENSCAN
Start	280	End	847
GI	none	Score	1
Exons	280..847		

Seq. No.	45673	Seq. ID	OJ000221_12.0331.C25
Gene No.	96703	Strand	+
Start	1012	End	1469
Name	OJ000221_12.0331.C25.o1.gp	Method	AAT/GAP
Start	1012	End	1469
GI	2428323	Score	632
Exons	1012..1469		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	45673	Seq. ID	OJ000221_12.0331.C25
Gene No.	96704	Strand	-
Start	1477	End	3808
Name	OJ000221_12.0331.C25.o1.tw	Method	TBLASTX:Wheat
Start	257	End	835
GI	none	Score	242
Exons	257..517, 259..516, 273..524, 281..649, 709..831, 710..835		

Seq. No.	45673	Seq. ID	OJ000221_12.0331.C25
Gene No.	96704	Strand	-
Start	1477	End	3808
Name	OJ000221_12.0331.C25.o1.tm	Method	TBLASTX:Maize
Start	704	End	886
GI	none	Score	189
Exons	704..886, 709..885		

Seq. No.	45673	Seq. ID	OJ000221_12.0331.C25
Gene No.	96704	Strand	-
Start	1477	End	3808
Name	OJ000221_12.0331.C25.o2.gs	Method	GENSCAN
Start	1477	End	3105
GI	none	Score	.66
Exons	1477..3105		

Seq. No.	45673	Seq. ID	OJ000221_12.0331.C25
Gene No.	96704	Strand	-
Start	1477	End	3808
Name	OJ000221_12.0331.C25.o2.np	Method	AAT/NAP
Start	1480	End	3808
GI	5803259	Score	1930
Exons	1480..3082, 3778..3808		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	45674	Seq. ID	OJ000221_12.0331.C27
Gene No.	96705	Strand	-
Start	1	End	4971
Name	OJ000221_12.0331.C27.o1.np	Method	AAT/NAP
Start	1	End	832
GI	5902448	Score	1474
Exons	1..832		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	45674	Seq. ID	OJ000221_12.0331.C27
Gene No.	96705	Strand	-
Start	1	End	4971
Name	OJ000221_12.0331.C27.o1.gs	Method	GENSCAN
Start	8	End	4971
GI	none	Score	.72
Exons	8..983, 2520..2850, 3358..3453, 3554..3633, 4186..4226, 4338..4484, 4858..4971		

Seq. No.	45674	Seq. ID	OJ000221_12.0331.C27
Gene No.	96705	Strand	-
Start	1	End	4971
Name	OJ000221_12.0331.C27.o1.tw	Method	TBLASTX:Wheat
Start	422	End	712
GI	none	Score	217
Exons	422..712		

Seq. No.	45674	Seq. ID	OJ000221_12.0331.C27
Gene No.	96705	Strand	-
Start	1	End	4971
Name	OJ000221_12.0331.C27.o1.tm	Method	TBLASTX:Maize
Start	2471	End	2851
GI	none	Score	54
Exons	2471..2617, 2660..2800, 2813..2851		

Seq. No.	45674	Seq. ID	OJ000221_12.0331.C27
Gene No.	96705	Strand	-
Start	1	End	4971
Name	OJ000221_12.0331.C27.o1.ts	Method	TBLASTX:Soybean
Start	2564	End	2845
GI	none	Score	186
Exons	2564..2662, 2660..2845		

Seq. No.	45674	Seq. ID	OJ000221_12.0331.C27
Gene No.	96705	Strand	-
Start	1	End	4971
Name	OJ000221_12.0331.C27.o2.np	Method	AAT/NAP
Start	3147	End	4967

GI	7295808	Score	54
Exons	3147..3186, 4858..4967		
GI Descrip.	(AE003579) CG2772 gene product [Drosophila melanogaster]		

Seq. No.	45675	Seq. ID	OJ000221_12.0331.C28
Gene No.	96706	Strand	-
Start	188	End	1415
Name	OJ000221_12.0331.C28.o1.gs	Method	GENSCAN
Start	188	End	1415
GI	none	Score	.63
Exons	188..336, 1188..1304, 1334..1415		

Seq. No.	45676	Seq. ID	OJ000221_12.0331.C29
Gene No.	96707	Strand	-
Start	958	End	4101
Name	OJ000221_12.0331.C29.o1.gs	Method	GENSCAN
Start	958	End	4089
GI	none	Score	.62
Exons	958..1237, 1319..1538, 2327..2720, 2844..3114, 3436..4089		

Seq. No.	45676	Seq. ID	OJ000221_12.0331.C29
Gene No.	96707	Strand	-
Start	958	End	4101
Name	OJ000221_12.0331.C29.o1.np	Method	AAT/NAP
Start	2326	End	4101
GI	6539553	Score	2841
Exons	2326..4101		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	45676	Seq. ID	OJ000221_12.0331.C29
Gene No.	96707	Strand	-
Start	958	End	4101
Name	OJ000221_12.0331.C29.o1.tw	Method	TBLASTX:Wheat
Start	2462	End	2938
GI	none	Score	288
Exons	2462..2845, 2500..2847, 2541..2849, 2863..2937, 2865..2936, 2867..2938		

Seq. No.	45676	Seq. ID	OJ000221_12.0331.C29
Gene No.	96707	Strand	-
Start	958	End	4101
Name	OJ000221_12.0331.C29.o3.ts	Method	TBLASTX:Soybean
Start	2590	End	2931
GI	none	Score	85
Exons	2590..2799, 2611..2799, 2818..2931, 2831..2905		

Seq. No.	45676	Seq. ID	OJ000221_12.0331.C29
Gene No.	96707	Strand	-
Start	958	End	4101
Name	OJ000221_12.0331.C29.o2.tm	Method	TBLASTX:Maize
Start	2794	End	3132
GI	none	Score	171
Exons	2794..3132, 2809..3132		

Seq. No.	45676	Seq. ID	OJ000221_12.0331.C29
Gene No.	96707	Strand	-
Start	958	End	4101
Name	OJ000221_12.0331.C29.o2.ts	Method	TBLASTX:Soybean
Start	2944	End	3289
GI	none	Score	118
Exons	2944..3288, 3089..3289		

Seq. No.	45676	Seq. ID	OJ000221_12.0331.C29
Gene No.	96707	Strand	-
Start	958	End	4101
Name	OJ000221_12.0331.C29.o2.tw	Method	TBLASTX:Wheat
Start	3142	End	3687
GI	none	Score	51
Exons	3142..3348, 3152..3283, 3343..3687		

Seq. No.	45676	Seq. ID	OJ000221_12.0331.C29
Gene No.	96707	Strand	-
Start	958	End	4101
Name	OJ000221_12.0331.C29.o1.tm	Method	TBLASTX:Maize
Start	3223	End	3688
GI	none	Score	90
Exons	3223..3687, 3370..3552, 3509..3688		

Seq. No.	45676	Seq. ID	OJ000221_12.0331.C29
Gene No.	96707	Strand	-
Start	958	End	4101
Name	OJ000221_12.0331.C29.o1.ts	Method	TBLASTX:Soybean
Start	3358	End	3730
GI	5509260	Score	50
Exons	3358..3729, 3377..3421, 3509..3730		
GI Descrip.	-		

Seq. No.	45676	Seq. ID	OJ000221_12.0331.C29
Gene No.	96707	Strand	-
Start	958	End	4101
Name	OJ000221_12.0331.C29.o1.tc	Method	TBLASTX:Cress
Start	3469	End	3730
GI	none	Score	112
Exons	3469..3729, 3557..3730		

Seq. No.	45676	Seq. ID	OJ000221_12.0331.C29
Gene No.	96707	Strand	-
Start	958	End	4101
Name	OJ000221_12.0331.C29.o3.tw	Method	TBLASTX:Wheat
Start	3745	End	4099
GI	none	Score	189
Exons	3745..3972, 3746..3904, 3750..3980, 3751..3981, 4012..4098, 4039..4098, 4043..4099		

Seq. No.	45677	Seq. ID	OJ000221_12.0331.C30
Gene No.	96708	Strand	-
Start	1	End	1115
Name	OJ000221_12.0331.C30.o1.np	Method	AAT/NAP
Start	1	End	1115
GI	6539553	Score	1902
Exons	1..1115		

GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	45677	Seq. ID	OJ000221_12.0331.C30
Gene No.	96708	Strand	-
Start	1	End	1115
Name	OJ000221_12.0331.C30.o1.tm	Method	TBLASTX:Maize
Start	339	End	661
GI	none	Score	378
Exons	339..506, 340..654, 341..634, 407..661		
Seq. No.	45678	Seq. ID	OJ000221_12.0331.C31
Gene No.	96709	Strand	+
Start	255	End	2404
Name	OJ000221_12.0331.C31.o1.gs	Method	GENSCAN
Start	255	End	2404
GI	none	Score	.8
Exons	255..342, 2166..2404		
Seq. No.	45679	Seq. ID	OJ000221_12.0331.C32
Gene No.	96710	Strand	+
Start	329	End	997
Name	OJ000221_12.0331.C32.o1.gs	Method	GENSCAN
Start	329	End	997
GI	none	Score	.71
Exons	329..424, 680..997		
Seq. No.	45679	Seq. ID	OJ000221_12.0331.C32
Gene No.	96710	Strand	+
Start	329	End	997
Name	OJ000221_12.0331.C32.o1.np	Method	AAT/NAP
Start	634	End	997
GI	4584355	Score	248
Exons	634..997		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		
Seq. No.	45679	Seq. ID	OJ000221_12.0331.C32
Gene No.	96711	Strand	-
Start	1160	End	3193
Name	OJ000221_12.0331.C32.o2.gs	Method	GENSCAN
Start	1160	End	3193
GI	none	Score	.51
Exons	1160..1317, 3019..3193		
Seq. No.	45680	Seq. ID	OJ000221_12.0331.C33
Gene No.	96712	Strand	+
Start	1	End	234
Name	OJ000221_12.0331.C33.o1.gp	Method	AAT/GAP
Start	1	End	234
GI	61605_3.R1084	Score	413
Exons	1..234		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	45680	Seq. ID	OJ000221_12.0331.C33

Gene No.	96713	Strand	-
Start	601	End	2453
Name	OJ000221_12.0331.C33.o1.np	Method	AAT/NAP
Start	601	End	2453
GI	6063554	Score	476
Exons	601..774, 1420..1448, 1771..1969, 2155..2453		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	45680	Seq. ID	OJ000221_12.0331.C33
Gene No.	96714	Strand	-
Start	2620	End	4238
Name	OJ000221_12.0331.C33.o2.np	Method	AAT/NAP
Start	2620	End	4238
GI	128835	Score	154
Exons	2620..2638, 4103..4238		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE 49 KD SUBUNIT, CHLOROPLAST (ORF 393) gi|66200|pir||DERZ49 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) 49K protein - rice chloroplast gi|12056|emb|CAA33911| (X15901) NADH dehydrogenase 49kDa protein [Oryza sativa] gi|226677|prf||1603356DE NADH dehydrogenase 49kD protein [Oryza sativa]		

Seq. No.	45681	Seq. ID	OJ000221_12.0331.C37
Gene No.	96715	Strand	-
Start	1	End	719
Name	OJ000221_12.0331.C37.o1.np	Method	AAT/NAP
Start	1	End	719
GI	5902445	Score	1093
Exons	1..719		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	45681	Seq. ID	OJ000221_12.0331.C37
Gene No.	96715	Strand	-
Start	1	End	719
Name	OJ000221_12.0331.C37.o1.gs	Method	GENSCAN
Start	4	End	667
GI	none	Score	.75
Exons	4..324, 428..667		

Seq. No.	45681	Seq. ID	OJ000221_12.0331.C37
Gene No.	96716	Strand	-
Start	785	End	879
Name	OJ000221_12.0331.C37.o2.tw	Method	TBLASTX:Wheat
Start	20	End	321
GI	none	Score	146
Exons	20..319, 28..321, 211..321		

Seq. No.	45681	Seq. ID	OJ000221_12.0331.C37
Gene No.	96716	Strand	-
Start	785	End	879
Name	OJ000221_12.0331.C37.o2.tm	Method	TBLASTX:Maize
Start	34	End	306
GI	none	Score	78
Exons	34..306, 59..163, 251..298		

Seq. No.	45681	Seq. ID	OJ000221_12.0331.C37
Gene No.	96716	Strand	-
Start	785	End	879
Name	OJ000221_12.0331.C37.o1.tw	Method	TBLASTX:Wheat
Start	329	End	774
GI	none	Score	183
Exons	329..631, 330..632, 642..773,	649..774	

Seq. No.	45681	Seq. ID	OJ000221_12.0331.C37
Gene No.	96716	Strand	-
Start	785	End	879
Name	OJ000221_12.0331.C37.o1.tm	Method	TBLASTX:Maize
Start	341	End	637
GI	none	Score	129
Exons	341..637, 411..602		

Seq. No.	45681	Seq. ID	OJ000221_12.0331.C37
Gene No.	96716	Strand	-
Start	785	End	879
Name	OJ000221_12.0331.C37.o2.np	Method	AAT/NAP
Start	785	End	879
GI	5902444	Score	111
Exons	785..879		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	45682	Seq. ID	OJ000301_10.0323.C1
Gene No.	96717	Strand	+
Start	1	End	146
Name	OJ000301_10.0323.C1.o1.np	Method	AAT/NAP
Start	1	End	146
GI	6911866	Score	97
Exons	1..146		
GI Descrip.	(AL138655) phosphatidylinositol-4-phosphate 5-kinase-like protein [Arabidopsis thaliana]		

Seq. No.	45682	Seq. ID	OJ000301_10.0323.C1
Gene No.	96718	Strand	-
Start	173	End	320
Name	OJ000301_10.0323.C1.o1.gs	Method	GENSCAN
Start	173	End	320
GI	none	Score	.57
Exons	173..320		

Seq. No.	45683	Seq. ID	OJ000301_10.0323.C2
Gene No.	96719	Strand	+
Start	81	End	2075
Name	OJ000301_10.0323.C2.o1.np	Method	AAT/NAP
Start	81	End	2075
GI	7485968	Score	105
Exons	81..249, 1214..1261, 1999..2075		
GI Descrip.	hypothetical protein F22K18.220 - Arabidopsis thaliana gi|4220532|emb|CAA23005.1| (AL035356) putative protein [Arabidopsis thaliana] gi|7269308|emb|CAB79368.1| (AL161561) putative protein [Arabidopsis thaliana]		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96720	Strand	+

Start	1	End	9943
Name	OJ000301_10.0323.C3.o1.np	Method	AAT/NAP
Start	1	End	9686
GI	7485968	Score	716
Exons	1..27, 514..658, 754..873, 979..1056, 1375..1419, 1873..1951, 2448..2717, 2932..3159, 4085..4346, 5261..5370, 5439..5522, 6616..6785, 9400..9686		
GI Descrip.	hypothetical protein F22K18.220 - Arabidopsis thaliana gi|4220532|emb|CAA23005.1| (AL035356) putative protein [Arabidopsis thaliana] gi|7269308|emb|CAB79368.1| (AL161561) putative protein [Arabidopsis thaliana]		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96720	Strand	+
Start	1	End	9943
Name	OJ000301_10.0323.C3.o1.gs	Method	GENSCAN
Start	260	End	9943
GI	none	Score	.85
Exons	260..381, 517..661, 754..873, 979..1056, 1195..1250, 1344..1413, 1864..1951, 2448..2691, 2932..3159, 4043..4369, 4565..4614, 5268..5370, 5427..5522, 6429..6542, 6616..6785, 7122..7188, 7549..7737, 7819..8006, 8202..8337, 8471..8505, 8814..8952, 9070..9207, 9292..9428, 9522..9674, 9910..9943		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96720	Strand	+
Start	1	End	9943
Name	OJ000301_10.0323.C3.o2.np	Method	AAT/NAP
Start	8484	End	9848
GI	7438344	Score	210
Exons	8484..8599, 9060..9528, 9690..9848		
GI Descrip.	myb-related protein 1 - rice gi|2605617|dbj|BAA23337.1| (D88617) OSMYB1 [Oryza sativa]		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96721	Strand	-
Start	10144	End	11918
Name	OJ000301_10.0323.C3.o2.gs	Method	GENSCAN
Start	10144	End	11918
GI	none	Score	.71
Exons	10144..10459, 11078..11204, 11774..11865, 11899..11918		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o3.tc	Method	TBLASTX:Cress
Start	131	End	591
GI	none	Score	94
Exons	131..220, 159..218, 300..392, 301..381, 511..591, 516..590		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o6.tm	Method	TBLASTX:Maize
Start	131	End	609
GI	none	Score	105
Exons	131..220, 159..218, 300..386, 300..380, 511..609, 514..552,		

516..608

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o2.ts	Method	TBLASTX:Soybean
Start	517	End	860
GI	none	Score	168
Exons	517..651, 519..647, 755..859,	755..859,	756..860

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o5.tm	Method	TBLASTX:Maize
Start	555	End	2595
GI	none	Score	189
Exons	555..602, 755..874, 756..875, 977..1063, 978..1064, 1193..1258, 1194..1259, 1338..1415, 1342..1443, 1343..1468, 1838..1951, 1866..1958, 1866..1949, 1868..1951, 2418..2555, 2419..2595, 2419..2592, 2447..2593		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o2.tc	Method	TBLASTX:Cress
Start	1880	End	2691
GI	none	Score	106
Exons	1880..1945, 1881..1958, 2419..2574, 2448..2555, 2575..2691, 2581..2664		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o4.tm	Method	TBLASTX:Maize
Start	2596	End	7198
GI	none	Score	65
Exons	2596..2688, 2596..2691, 2597..2692, 2597..2692, 2933..2992, 2935..3165, 3032..3160, 4102..4200, 4106..4216, 4113..4247, 4116..4247, 4220..4297, 4222..4299, 4222..4299, 4300..4377, 4301..4378, 4562..4615, 4564..4620, 5309..5371, 5311..5370, 5436..5525, 5437..5523, 6429..6542, 6436..6543, 6436..6558, 6610..6786, 6655..6789, 7120..7188, 7122..7190, 7122..7190, 7124..7198, 7124..7195		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o3.ts	Method	TBLASTX:Soybean
Start	2952	End	3169
GI	none	Score	155
Exons	2952..3035, 2953..3081, 3029..3079, 3067..3159, 3071..3169, 3105..3161		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o7.ts	Method	TBLASTX:Soybean

Start	5311	End	6687
GI	5057448	Score	80
Exons	5311..5370, 5311..5370, 5436..5525, 5436..5522, 5437..5526, 6429..6542, 6439..6543, 6439..6534, 6585..6683, 6594..6686, 6613..6687		
GI Descrip.	4220532/emb_CAA23005_ 2.0e-11 (AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o3.tm	Method	TBLASTX:Maize
Start	7576	End	8116
GI	none	Score	181
Exons	7576..7737, 7590..7745, 7816..7983, 7816..8043, 7889..8041, 7916..8065, 8057..8116		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o5.ts	Method	TBLASTX:Soybean
Start	7825	End	7992
GI	none	Score	193
Exons	7825..7992, 7833..7952		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o6.ts	Method	TBLASTX:Soybean
Start	9058	End	9363
GI	none	Score	111
Exons	9058..9153, 9152..9208, 9301..9363		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o3.gs	Method	GENSCAN
Start	12981	End	14471
GI	none	Score	.68
Exons	12981..13278, 13595..13678, 13928..14121, 14242..14358, 14451..14471		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o4.ts	Method	TBLASTX:Soybean
Start	12985	End	14525
GI	none	Score	80
Exons	12985..13179, 12990..13193, 13003..13173, 13005..13178, 13206..13271, 14266..14358, 14276..14353, 14448..14525, 14449..14523		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o3.np	Method	AAT/NAP
Start	12993	End	14526

GI	6911866	Score	910
Exons	12993..13295, 13597..13645, 13714..13845, 13928..14121, 14242..14358, 14451..14526		
GI Descrip.	(AL138655) phosphatidylinositol-4-phosphate 5-kinase-like protein [Arabidopsis thaliana]		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o1.tc	Method	TBLASTX:Cress
Start	12996	End	14525
GI	none	Score	80
Exons	12996..13178, 12996..13181, 12997..13182, 13235..13291, 13759..13845, 13764..13844, 13936..14124, 13961..14125, 14242..14358, 14258..14353, 14448..14525, 14449..14523		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o2.tm	Method	TBLASTX:Maize
Start	12997	End	13259
GI	none	Score	243
Exons	12997..13254, 12997..13254, 12999..13259		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o1.tw	Method	TBLASTX:Wheat
Start	13045	End	13855
GI	none	Score	229
Exons	13045..13281, 13046..13282, 13047..13283, 13047..13283, 13583..13633, 13592..13633, 13619..13669, 13623..13676, 13749..13844, 13754..13855, 13758..13841, 13759..13842		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o1.tm	Method	TBLASTX:Maize
Start	13610	End	14364
GI	none	Score	74
Exons	13610..13681, 13737..13844, 13738..13845, 13763..13846, 13898..14122, 13922..14125, 13933..14124, 13957..14127, 14242..14358, 14246..14362, 14250..14363, 14272..14364		

Seq. No.	45684	Seq. ID	OJ000301_10.0323.C3
Gene No.	96722	Strand	-
Start	12981	End	14526
Name	OJ000301_10.0323.C3.o1.ts	Method	TBLASTX:Soybean
Start	13770	End	14124
GI	none	Score	70
Exons	13770..13844, 13771..13845, 13936..14124, 13946..14107, 13957..14124		

Seq. No.	45685	Seq. ID	OJ000301_10.0323.C4
Gene No.	96723	Strand	+
Start	149	End	246
Name	OJ000301_10.0323.C4.o1.gs	Method	GENSCAN

Start	149	End	246
GI	none	Score	.9
Exons	149..246		

Seq. No.	45685	Seq. ID	OJ000301_10.0323.C4
Gene No.	96724	Strand	-
Start	3492	End	4329
Name	OJ000301_10.0323.C4.o2.gs	Method	GENSCAN
Start	3492	End	3755
GI	none	Score	.88
Exons	3492..3755		

Seq. No.	45685	Seq. ID	OJ000301_10.0323.C4
Gene No.	96724	Strand	-
Start	3492	End	4329
Name	OJ000301_10.0323.C4.o1.np	Method	AAT/NAP
Start	3504	End	4329
GI	7488008	Score	339
Exons	3504..3783, 4267..4329		
GI Descrip.	phosphatidylinositol-4-phosphate 5-kinase homolog T3K9.2 - Arabidopsis thaliana gi|6598479|gb|AAC78530.2| (AC005662) putative phosphatidylinositol-4-phosphate 5-kinase [Arabidopsis thaliana]		

Seq. No.	45685	Seq. ID	OJ000301_10.0323.C4
Gene No.	96724	Strand	-
Start	3492	End	4329
Name	OJ000301_10.0323.C4.o1.tc	Method	TBLASTX:Cress
Start	3507	End	3693
GI	none	Score	105
Exons	3507..3692, 3508..3693		

Seq. No.	45685	Seq. ID	OJ000301_10.0323.C4
Gene No.	96724	Strand	-
Start	3492	End	4329
Name	OJ000301_10.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	3508	End	3764
GI	none	Score	168
Exons	3508..3705, 3508..3699, 3510..3710, 3711..3764		

Seq. No.	45685	Seq. ID	OJ000301_10.0323.C4
Gene No.	96724	Strand	-
Start	3492	End	4329
Name	OJ000301_10.0323.C4.o1.ts	Method	TBLASTX:Soybean
Start	3514	End	3774
GI	none	Score	106
Exons	3514..3663, 3516..3680, 3517..3681, 3718..3774		

Seq. No.	45685	Seq. ID	OJ000301_10.0323.C4
Gene No.	96724	Strand	-
Start	3492	End	4329
Name	OJ000301_10.0323.C4.o1.tw	Method	TBLASTX:Wheat
Start	3556	End	3786
GI	none	Score	147
Exons	3556..3705, 3558..3719, 3564..3713, 3711..3785, 3718..3786		

Seq. No.	45686	Seq. ID	OJ000301_10.0323.C5

Gene No.	96725	Strand	-
Start	1	End	2048
Name	OJ000301_10.0323.C5.o1.np	Method	AAT/NAP
Start	1	End	2048
GI	6648208	Score	815
Exons	1..140, 236..352, 446..611, 710..874, 1575..2048		
GI Descrip.	(AC013483) putative phosphatidylinositol-4-phosphate 5-kinase [Arabidopsis thaliana]		

Seq. No.	45686	Seq. ID	OJ000301_10.0323.C5
Gene No.	96725	Strand	-
Start	1	End	2048
Name	OJ000301_10.0323.C5.o1.tc	Method	TBLASTX:Cress
Start	3	End	1648
GI	none	Score	109
Exons	3..125, 16..138, 24..143, 236..385, 242..355, 252..392, 422..613, 438..599, 443..607, 709..876, 712..822, 713..877, 1574..1648		

Seq. No.	45686	Seq. ID	OJ000301_10.0323.C5
Gene No.	96725	Strand	-
Start	1	End	2048
Name	OJ000301_10.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	42	End	840
GI	none	Score	64
Exons	42..125, 46..141, 242..385, 252..419, 437..613, 447..605, 708..791, 709..804, 709..840		

Seq. No.	45686	Seq. ID	OJ000301_10.0323.C5
Gene No.	96725	Strand	-
Start	1	End	2048
Name	OJ000301_10.0323.C5.o1.gs	Method	GENSCAN
Start	236	End	1967
GI	none	Score	.93
Exons	236..352, 452..611, 1575..1967		

Seq. No.	45686	Seq. ID	OJ000301_10.0323.C5
Gene No.	96725	Strand	-
Start	1	End	2048
Name	OJ000301_10.0323.C5.o1.ts	Method	TBLASTX:Soybean
Start	314	End	873
GI	none	Score	55
Exons	314..355, 422..613, 441..599, 709..873, 713..868		

Seq. No.	45687	Seq. ID	OJ000301_10.0323.C6
Gene No.	96726	Strand	+
Start	737	End	1193
Name	OJ000301_10.0323.C6.o1.gs	Method	GENSCAN
Start	737	End	1193
GI	none	Score	.79
Exons	737..748, 1059..1193		

Seq. No.	45688	Seq. ID	OJ000301_10.0323.C7
Gene No.	96727	Strand	-
Start	82	End	2085
Name	OJ000301_10.0323.C7.o1.gs	Method	GENSCAN
Start	82	End	2085

GI	none	Score	.68
Exons	82..506, 2036..2085		

Seq. No.	45688	Seq. ID	OJ000301_10.0323.C7
Gene No.	96727	Strand	-
Start	82	End	2085
Name	OJ000301_10.0323.C7.o1.gp	Method	AAT/GAP
Start	1526	End	1607
GI	38012_1.R1084	Score	101
Exons	1526..1607		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	45689	Seq. ID	OJ000301_10.0323.C8
Gene No.	96728	Strand	+
Start	106	End	1860
Name	OJ000301_10.0323.C8.o1.gs	Method	GENSCAN
Start	106	End	1860
GI	none	Score	.62
Exons	106..264, 1064..1860		

Seq. No.	45689	Seq. ID	OJ000301_10.0323.C8
Gene No.	96729	Strand	-
Start	158	End	1712
Name	OJ000301_10.0323.C8.o1.np	Method	AAT/NAP
Start	158	End	1712
GI	5306245	Score	115
Exons	158..343, 1418..1712		
GI Descrip.	(AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	45689	Seq. ID	OJ000301_10.0323.C8
Gene No.	96730	Strand	-
Start	2737	End	4001
Name	OJ000301_10.0323.C8.o2.gs	Method	GENSCAN
Start	2737	End	4001
GI	none	Score	.65
Exons	2737..2793, 2823..2957, 3904..4001		

Seq. No.	45690	Seq. ID	OJ000301_10.0323.C9
Gene No.	96731	Strand	-
Start	1286	End	1393
Name	OJ000301_10.0323.C9.o1.gs	Method	GENSCAN
Start	1286	End	1393
GI	none	Score	.48
Exons	1286..1393		

Seq. No.	45690	Seq. ID	OJ000301_10.0323.C9
Gene No.	96732	Strand	-
Start	1340	End	1713
Name	OJ000301_10.0323.C9.o1.np	Method	AAT/NAP
Start	1340	End	1713
GI	5042454	Score	70
Exons	1340..1393, 1626..1713		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96733	Strand	+

Start	1	End	4180
Name	OJ000301_10.0323.C10.o1.np	Method	AAT/NAP
Start	1	End	1777
GI	5922623	Score	66
Exons	1..92, 260..335, 1754..1777		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96733	Strand	+
Start	1	End	4180
Name	OJ000301_10.0323.C10.o2.np	Method	AAT/NAP
Start	378	End	510
GI	7523512	Score	161
Exons	378..510		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96733	Strand	+
Start	1	End	4180
Name	OJ000301_10.0323.C10.o1.gs	Method	GENSCAN
Start	1040	End	4180
GI	none	Score	.74
Exons	1040..2104, 2191..2300, 2395..3202, 3260..4180		

Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96733	Strand	+
Start	1	End	4180
Name	OJ000301_10.0323.C10.o3.np	Method	AAT/NAP
Start	1040	End	4177
GI	7228456	Score	4457
Exons	1040..4177		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96734	Strand	+
Start	11028	End	17075
Name	OJ000301_10.0323.C10.o5.np	Method	AAT/NAP
Start	11028	End	17075
GI	5922623	Score	186
Exons	11028..11101, 11649..11803, 11971..12046, 14767..14839, 16985..17075		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96734	Strand	+
Start	11028	End	17075
Name	OJ000301_10.0323.C10.o3.gs	Method	GENSCAN
Start	14498	End	16278
GI	none	Score	.72
Exons	14498..14539, 16129..16278		

Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96734	Strand	+

Start	11028	End	17075
Name	OJ000301_10.0323.C10.o4.gs	Method	GENSCAN
Start	16736	End	17059
GI	none	Score	.82
Exons	16736..17059		

Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96735	Strand	-
Start	4801	End	12677
Name	OJ000301_10.0323.C10.o7.tw	Method	TBLASTX:Wheat
Start	2055	End	5415
GI	none	Score	77
Exons	2055..2156, 4813..4938, 4817..4939, 5105..5413, 5125..5415, 5132..5410		

Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96735	Strand	-
Start	4801	End	12677
Name	OJ000301_10.0323.C10.o2.gs	Method	GENSCAN
Start	4801	End	12677
GI	none	Score	.42
Exons	4801..6321, 6419..8527, 8591..10841, 11547..11671, 11817..11889, 12646..12677		

Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96735	Strand	-
Start	4801	End	12677
Name	OJ000301_10.0323.C10.o5.tm	Method	TBLASTX:Maize
Start	4801	End	4944
GI	none	Score	126
Exons	4801..4944, 4805..4939		

Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96735	Strand	-
Start	4801	End	12677
Name	OJ000301_10.0323.C10.o4.np	Method	AAT/NAP
Start	4804	End	10950
GI	7228457	Score	9594
Exons	4804..6354, 6419..7570, 7693..8527, 8591..10523, 10585..10950		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96735	Strand	-
Start	4801	End	12677
Name	OJ000301_10.0323.C10.o4.tw	Method	TBLASTX:Wheat
Start	5416	End	5797
GI	none	Score	173
Exons	5416..5796, 5447..5695, 5455..5793, 5741..5797		

Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96735	Strand	-
Start	4801	End	12677
Name	OJ000301_10.0323.C10.o2.tm	Method	TBLASTX:Maize
Start	5602	End	5934
GI	none	Score	97

Exons	5602..5814, 5611..5934, 5624..5917		
Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96735	Strand	-
Start	4801	End	12677
Name	OJ000301_10.0323.C10.o5.tw	Method	TBLASTX:Wheat
Start	6440	End	9897
GI	none	Score	86
Exons	6440..6589, 6441..6578, 6623..6874, 6624..6809, 6677..6898, 9844..9897		
Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96735	Strand	-
Start	4801	End	12677
Name	OJ000301_10.0323.C10.o1.ts	Method	TBLASTX:Soybean
Start	7499	End	7870
GI	none	Score	90
Exons	7499..7870, 7710..7853		
Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96735	Strand	-
Start	4801	End	12677
Name	OJ000301_10.0323.C10.o2.tw	Method	TBLASTX:Wheat
Start	7529	End	7949
GI	none	Score	304
Exons	7529..7948, 7536..7949		
Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96735	Strand	-
Start	4801	End	12677
Name	OJ000301_10.0323.C10.o3.tm	Method	TBLASTX:Maize
Start	7622	End	8006
GI	none	Score	230
Exons	7622..8005, 7641..8006		
Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96735	Strand	-
Start	4801	End	12677
Name	OJ000301_10.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	8033	End	8389
GI	none	Score	124
Exons	8033..8338, 8033..8389, 8043..8354		
Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96735	Strand	-
Start	4801	End	12677
Name	OJ000301_10.0323.C10.o1.tw	Method	TBLASTX:Wheat
Start	8057	End	8520
GI	none	Score	202
Exons	8057..8518, 8063..8518, 8064..8519, 8077..8520		
Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96735	Strand	-
Start	4801	End	12677
Name	OJ000301_10.0323.C10.o2.ts	Method	TBLASTX:Soybean
Start	8114	End	8479
GI	none	Score	120

Exons	8114..8248, 8255..8479		
Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96735	Strand	-
Start	4801	End	12677
Name	OJ000301_10.0323.C10.o3.tw	Method	TBLASTX:Wheat
Start	8684	End	9170
GI	none	Score	159
Exons	8684..9169, 8715..8975, 9033..9170		
Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96735	Strand	-
Start	4801	End	12677
Name	OJ000301_10.0323.C10.o6.tw	Method	TBLASTX:Wheat
Start	9905	End	10457
GI	none	Score	95
Exons	9905..10162, 9939..10178, 10145..10243, 10146..10238, 10250..10297, 10422..10457		
Seq. No.	45691	Seq. ID	OJ000301_10.0323.C10
Gene No.	96735	Strand	-
Start	4801	End	12677
Name	OJ000301_10.0323.C10.o4.tm	Method	TBLASTX:Maize
Start	10007	End	10255
GI	none	Score	91
Exons	10007..10255, 10008..10253		
Seq. No.	45692	Seq. ID	OJ000301_10.0323.C11
Gene No.	96736	Strand	+
Start	1585	End	2263
Name	OJ000301_10.0323.C11.o1.gs	Method	GENSCAN
Start	1585	End	2263
GI	none	Score	.42
Exons	1585..1663, 2077..2263		
Seq. No.	45693	Seq. ID	OJ000301_10.0323.C12
Gene No.	96737	Strand	+
Start	10527	End	14504
Name	OJ000301_10.0323.C12.o2.gs	Method	GENSCAN
Start	10527	End	14504
GI	none	Score	.55
Exons	10527..10921, 11618..11807, 12319..12448, 13344..13465, 13931..13994, 14392..14504		
Seq. No.	45693	Seq. ID	OJ000301_10.0323.C12
Gene No.	96737	Strand	+
Start	10527	End	14504
Name	OJ000301_10.0323.C12.o1.gp	Method	AAT/GAP
Start	11689	End	13994
GI	none	Score	811
Exons	11689..11829, 12319..12448, 13344..13465, 13931..13994		
Seq. No.	45693	Seq. ID	OJ000301_10.0323.C12
Gene No.	96737	Strand	+
Start	10527	End	14504
Name	OJ000301_10.0323.C12.o3.np	Method	AAT/NAP
Start	11737	End	14483

GI	6911879	Score	442
Exons	11737..11829, 12319..12448, 13344..13465, 13931..13994, 14392..14483		
GI Descrip.	(AL138655) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45693	Seq. ID	OJ000301_10.0323.C12
Gene No.	96738	Strand	+
Start	16150	End	21565
Name	OJ000301_10.0323.C12.o3.gs	Method	GENSCAN
Start	16150	End	21565
GI	none	Score	.8
Exons	16150..16311, 16671..16786, 18073..18191, 18805..18895, 19112..19294, 19481..19595, 19712..19915, 20058..20186, 20283..20456, 21174..21368, 21467..21565		

Seq. No.	45693	Seq. ID	OJ000301_10.0323.C12
Gene No.	96739	Strand	-
Start	299	End	7324
Name	OJ000301_10.0323.C12.o1.gs	Method	GENSCAN
Start	299	End	7312
GI	none	Score	.65
Exons	299..353, 1097..1182, 2264..2446, 5031..5203, 5343..5504, 5588..5696, 6752..6858, 7043..7169, 7209..7312		

Seq. No.	45693	Seq. ID	OJ000301_10.0323.C12
Gene No.	96739	Strand	-
Start	299	End	7324
Name	OJ000301_10.0323.C12.o1.np	Method	AAT/NAP
Start	636	End	4053
GI	7340884	Score	105
Exons	636..704, 3881..4053		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	45693	Seq. ID	OJ000301_10.0323.C12
Gene No.	96739	Strand	-
Start	299	End	7324
Name	OJ000301_10.0323.C12.o2.np	Method	AAT/NAP
Start	4390	End	7324
GI	3894197	Score	844
Exons	4390..4416, 5031..5203, 5343..5504, 5588..5696, 6752..6858, 7043..7324		
GI Descrip.	(AC005662) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45693	Seq. ID	OJ000301_10.0323.C12
Gene No.	96740	Strand	-
Start	14424	End	14702
Name	OJ000301_10.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	5020	End	6831
GI	none	Score	110
Exons	5020..5106, 5028..5105, 5029..5106, 5105..5206, 5106..5204, 5107..5208, 5340..5504, 5341..5508, 5342..5506, 5343..5519, 5587..5697, 5588..5698, 5588..5701, 6728..6829, 6751..6831, 6751..6831		

Seq. No.	45693	Seq. ID	OJ000301_10.0323.C12
Gene No.	96740	Strand	-

Start	14424	End	14702
Name	OJ000301_10.0323.C12.o2.ts	Method	TBLASTX:Soybean
Start	5027	End	5206
GI	none	Score	86
Exons	5027..5104, 5028..5105, 5029..5106, 5030..5122, 5105..5206, 5106..5204		

Seq. No.	45693	Seq. ID	OJ000301_10.0323.C12
Gene No.	96740	Strand	-
Start	14424	End	14702
Name	OJ000301_10.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	5340	End	7165
GI	none	Score	125
Exons	5340..5504, 5341..5490, 5584..5694, 5586..5699, 5588..5695, 5588..5701, 5637..5705, 6746..6871, 6751..6870, 6766..6912, 7043..7165, 7047..7118		

Seq. No.	45693	Seq. ID	OJ000301_10.0323.C12
Gene No.	96740	Strand	-
Start	14424	End	14702
Name	OJ000301_10.0323.C12.o1.tc	Method	TBLASTX:Cress
Start	5430	End	7159
GI	none	Score	58
Exons	5430..5504, 5434..5505, 5588..5695, 5588..5701, 5637..5699, 6746..6871, 6751..6870, 7043..7159, 7047..7130		

Seq. No.	45693	Seq. ID	OJ000301_10.0323.C12
Gene No.	96740	Strand	-
Start	14424	End	14702
Name	OJ000301_10.0323.C12.o2.tm	Method	TBLASTX:Maize
Start	11730	End	14482
GI	none	Score	153
Exons	11730..11828, 11734..11829, 12318..12443, 12320..12448, 12370..12453, 13337..13468, 13339..13464, 13341..13484, 13925..13993, 14390..14482, 14391..14453		

Seq. No.	45693	Seq. ID	OJ000301_10.0323.C12
Gene No.	96740	Strand	-
Start	14424	End	14702
Name	OJ000301_10.0323.C12.o2.gp	Method	AAT/GAP
Start	14424	End	14702
GI	uC-osroM202017c07a1	Score	558
Exons	14424..14702		
GI Descrip.	'3123130/sp|O22212|YG62_ARATH 8.0e-48 HYPOTHETICAL 61.8 KD TRP-ASP REPEATS CONTAINING PROTEIN T32G6.2 IN CHROMOSOME II >gi_2618685 (AC002510) putative small nuclear ribonucleoprotein Prp4p [Arabidopsis thaliana] >gi_3241948 (AC004625) putative small nuclear ribonucleoprotein Prp4p [Arabidopsis thaliana]'		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96741	Strand	+
Start	483	End	16830
Name	OJ000301_10.0323.C13.o1.gs	Method	GENSCAN
Start	483	End	16598
GI	none	Score	.57
Exons	483..588, 877..987, 1672..1768, 1894..2022, 2666..2764, 3480..3633, 4240..4282, 4796..4868, 4936..5017, 6372..6708,		

7630..7726, 9081..9252, 9305..9537, 10654..10914, 11534..11598, 12600..12721, 12760..12877, 15300..15348, 15657..15844, 16197..16598

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96741	Strand	+
Start	483	End	16830
Name	OJ000301_10.0323.C13.o2.np	Method	AAT/NAP
Start	5811	End	6055
GI	82538	Score	328
Exons	5811..6055		
GI Descrip.	hypothetical 9K protein (rps19-rpl2 intergenic region) - rice chloroplast gi|12028|emb|CAA33936| (X15901) ORF82 [Oryza sativa] gi|12074|emb|CAA33926| (X15901) ORF82 [Oryza sativa] gi|226650|prf||1603356CA ORF 82 [Oryza sativa]		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96741	Strand	+
Start	483	End	16830
Name	OJ000301_10.0323.C13.o1.gp	Method	AAT/GAP
Start	5955	End	6041
GI	3073_1.R1084	Score	149
Exons	5955..6041		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96741	Strand	+
Start	483	End	16830
Name	OJ000301_10.0323.C13.o2.gp	Method	AAT/GAP
Start	6440	End	6571
GI	306_9.R1084	Score	176
Exons	6440..6571		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96741	Strand	+
Start	483	End	16830
Name	OJ000301_10.0323.C13.o3.gp	Method	AAT/GAP
Start	8577	End	8783
GI	none	Score	284
Exons	8577..8783		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96741	Strand	+
Start	483	End	16830
Name	OJ000301_10.0323.C13.o4.np	Method	AAT/NAP
Start	9211	End	11226
GI	7444451	Score	330
Exons	9211..9545, 11161..11226		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96741	Strand	+
Start	483	End	16830
Name	OJ000301_10.0323.C13.o6.np	Method	AAT/NAP
Start	15234	End	16830
GI	4584255	Score	650
Exons	15234..15327, 15738..15844, 16197..16587, 16726..16830		
GI Descrip.	(Y18471) SINA1p [Vitis vinifera]		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96742	Strand	-
Start	1655	End	1879
Name	OJ000301_10.0323.C13.o1.np	Method	AAT/NAP
Start	1655	End	1879
GI	133416	Score	274
Exons	1655..1879		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA CHAIN gi|66970|pir||RNRZB DNA-directed RNA polymerase (EC 2.7.7.6) beta chain - rice chloroplast gi|11971|emb|CAA33986| (X15901) RNA polymerase beta subunit [Oryza sativa]		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96743	Strand	-
Start	5707	End	7102
Name	OJ000301_10.0323.C13.o3.np	Method	AAT/NAP
Start	5707	End	7102
GI	2627238	Score	66
Exons	5707..5778, 7032..7102		
GI Descrip.	(D50565) NADH dehydrogenase subunit 5 [Oryza sativa] gi|2627240|dbj|BAA23492| (D50566) NADH dehydrogenase subunit 5 [Oryza sativa]		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96744	Strand	-
Start	9947	End	10017
Name	OJ000301_10.0323.C13.o4.gp	Method	AAT/GAP
Start	9947	End	10017
GI	61430_1.R1084	Score	96
Exons	9947..10017		
GI Descrip.	'14394/emb|Z14060|MISCREPU4 0.0e+00 T.aestivum mitochondrion fMet, 18S, 5S repeat unit DNA'		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96745	Strand	-
Start	10068	End	10678
Name	OJ000301_10.0323.C13.o2.tc	Method	TBLASTX:Cress
Start	3208	End	3427
GI	none	Score	111
Exons	3208..3273, 3209..3280, 3210..3281, 3212..3283, 3267..3419, 3281..3400, 3283..3417, 3284..3427		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96745	Strand	-
Start	10068	End	10678
Name	OJ000301_10.0323.C13.o1.tw	Method	TBLASTX:Wheat
Start	4345	End	4636

GI	none	Score	213
Exons	4345..4533, 4353..4496, 4353..4541, 4354..4530, 4507..4593, 4517..4603, 4528..4602, 4553..4627, 4574..4609, 4602..4631, 4603..4635, 4604..4636		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96745	Strand	-
Start	10068	End	10678
Name	OJ000301_10.0323.C13.o2.tm	Method	TBLASTX:Maize
Start	4345	End	4609
GI	none	Score	57
Exons	4345..4386, 4346..4387, 4368..4520, 4377..4496, 4384..4518, 4518..4541, 4522..4584, 4547..4609, 4553..4576, 4574..4603		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96745	Strand	-
Start	10068	End	10678
Name	OJ000301_10.0323.C13.o3.tm	Method	TBLASTX:Maize
Start	6430	End	6553
GI	none	Score	209
Exons	6430..6552, 6430..6552, 6449..6553, 6449..6553		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96745	Strand	-
Start	10068	End	10678
Name	OJ000301_10.0323.C13.o2.tw	Method	TBLASTX:Wheat
Start	9216	End	9506
GI	none	Score	71
Exons	9216..9308, 9324..9506, 9350..9502		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96745	Strand	-
Start	10068	End	10678
Name	OJ000301_10.0323.C13.o4.tm	Method	TBLASTX:Maize
Start	9267	End	9526
GI	none	Score	201
Exons	9267..9524, 9338..9526		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96745	Strand	-
Start	10068	End	10678
Name	OJ000301_10.0323.C13.o5.np	Method	AAT/NAP
Start	10068	End	10678
GI	4973022	Score	755
Exons	10068..10131, 10245..10678		
GI Descrip.	(AF141933) unknown [Oryza sativa]		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96746	Strand	
Start	15791	End	16631
Name	OJ000301_10.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	15791	End	16631
GI	none	Score	93
Exons	15791..15877, 16194..16631, 16196..16585		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96746	Strand	

Start	15791	End	16631
Name	OJ000301_10.0323.C13.o1.ts	Method	TBLASTX:Soybean
Start	16184	End	16596
GI	none	Score	596
Exons	16184..16585, 16191..16586, 16417..16596, 16441..16596		

Seq. No.	45694	Seq. ID	OJ000301_10.0323.C13
Gene No.	96746	Strand	
Start	15791	End	16631
Name	OJ000301_10.0323.C13.o1.tc	Method	TBLASTX:Cress
Start	16244	End	16529
GI	none	Score	400
Exons	16244..16528, 16245..16526, 16245..16529		

Seq. No.	45695	Seq. ID	OJ000301_10.0323.C14
Gene No.	96747	Strand	+
Start	1	End	288
Name	OJ000301_10.0323.C14.o1.np	Method	AAT/NAP
Start	1	End	288
GI	7489765	Score	374
Exons	1..288		
GI Descrip.	hypothetical protein 28L9 - maize (fragment) gi|3264611|gb|AAC24576.1| (AF061511) seven in absentia homolog [Zea mays]		

Seq. No.	45695	Seq. ID	OJ000301_10.0323.C14
Gene No.	96747	Strand	+
Start	1	End	288
Name	OJ000301_10.0323.C14.o1.gs	Method	GENSCAN
Start	28	End	258
GI	none	Score	.97
Exons	28..258		

Seq. No.	45695	Seq. ID	OJ000301_10.0323.C14
Gene No.	96748	Strand	-
Start	753	End	1090
Name	OJ000301_10.0323.C14.o1.tc	Method	TBLASTX:Cress
Start	1	End	255
GI	none	Score	37
Exons	1..33, 15..80, 22..81, 84..254, 85..255, 100..255		

Seq. No.	45695	Seq. ID	OJ000301_10.0323.C14
Gene No.	96748	Strand	-
Start	753	End	1090
Name	OJ000301_10.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	1	End	265
GI	none	Score	402
Exons	1..261, 3..257, 23..265		

Seq. No.	45695	Seq. ID	OJ000301_10.0323.C14
Gene No.	96748	Strand	-
Start	753	End	1090
Name	OJ000301_10.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	282
GI	none	Score	427
Exons	1..282, 3..269		

Seq. No.	45695	Seq. ID	OJ000301_10.0323.C14
Gene No.	96748	Strand	-
Start	753	End	1090
Name	OJ000301_10.0323.C14.o2.gs	Method	GENSCAN
Start	753	End	1090
GI	none	Score	.56
Exons	753..1090		

Seq. No.	45696	Seq. ID	OJ000251_15.0321.C2
Gene No.	96749	Strand	-
Start	1	End	73
Name	OJ000251_15.0321.C2.o1.gp	Method	AAT/GAP
Start	1	End	73
GI	24572_1.R1084	Score	146
Exons	1..73		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	45696	Seq. ID	OJ000251_15.0321.C2
Gene No.	96750	Strand	-
Start	22	End	695
Name	OJ000251_15.0321.C2.o1.gs	Method	GENSCAN
Start	22	End	695
GI	none	Score	.94
Exons	22..216, 361..526, 624..695		

Seq. No.	45697	Seq. ID	OJ000251_15.0321.C3
Gene No.	96751	Strand	+
Start	1	End	1403
Name	OJ000251_15.0321.C3.o1.np	Method	AAT/NAP
Start	1	End	1403
GI	6322646	Score	240
Exons	1..268, 528..676, 761..832, 918..1052, 1127..1188, 1387..1403		
GI Descrip.	probable phosphatidylinositol kinase; Tor2p gi|549092|sp|P32600|TOR2_YEAST PHOSPHATIDYLINOSITOL 3-KINASE TOR2 (PI3-KINASE) (PTDINS-3-KINASE) (PI3K) gi|539374|pir||S38040 1-phosphatidylinositol 3-kinase (EC 2.7.1.137) TOR2 - yeast (Saccharomyces cerevisiae) gi|486361|emb|CAA82048.1| (Z28203) ORF YKL203c [Saccharomyces cerevisiae]		

Seq. No.	45697	Seq. ID	OJ000251_15.0321.C3
Gene No.	96751	Strand	+
Start	1	End	1403
Name	OJ000251_15.0321.C3.o1.gs	Method	GENSCAN
Start	761	End	1052
GI	none	Score	.91
Exons	761..832, 918..1052		

Seq. No.	45698	Seq. ID	OJ000251_15.0321.C4
Gene No.	96752	Strand	+
Start	1	End	1586
Name	OJ000251_15.0321.C4.o1.np	Method	AAT/NAP
Start	1	End	1586
GI	7494793	Score	46
Exons	1..27, 560..619, 1309..1393, 1489..1586		
GI Descrip.	hypothetical protein B0261.2 - Caenorhabditis elegans gi|1938552|gb|AAB52354.1| (U97016) strong similarity to the		

P13/P14-kinases family [Caenorhabditis elegans]

Seq. No.	45698	Seq. ID	OJ000251_15.0321.C4
Gene No.	96752	Strand	+
Start	1	End	1586
Name	OJ000251_15.0321.C4.o1.gs	Method	GENSCAN
Start	298	End	1450
GI	none	Score	.69
Exons	298..393, 554..619, 1309..1450		

Seq. No.	45699	Seq. ID	OJ000251_15.0321.C5
Gene No.	96753	Strand	+
Start	199	End	494
Name	OJ000251_15.0321.C5.o1.np	Method	AAT/NAP
Start	199	End	485
GI	806955	Score	141
Exons	199..485		
GI Descrip.	RAPT1=putative novel phosphatidylinositol 3-kinase {C-terminal} [human, Peptide Partial, 367 aa]		

Seq. No.	45699	Seq. ID	OJ000251_15.0321.C5
Gene No.	96753	Strand	+
Start	199	End	494
Name	OJ000251_15.0321.C5.o1.tm	Method	TBLASTX:Maize
Start	303	End	494
GI	none	Score	274
Exons	303..482, 311..484, 317..487, 324..494		

Seq. No.	45699	Seq. ID	OJ000251_15.0321.C5
Gene No.	96753	Strand	+
Start	199	End	494
Name	OJ000251_15.0321.C5.o1.gs	Method	GENSCAN
Start	319	End	479
GI	none	Score	.99
Exons	319..479		

Seq. No.	45700	Seq. ID	OJ000251_15.0321.C6
Gene No.	96754	Strand	+
Start	1	End	1061
Name	OJ000251_15.0321.C6.o1.np	Method	AAT/NAP
Start	1	End	779
GI	7492809	Score	121
Exons	1..27, 221..373, 494..612, 691..779		
GI Descrip.	probable phosphatidylinositol 3-kinase - fission yeast (Schizosaccharomyces pombe) gi|2276359|emb|CAB10805.1| (Z97992) putative phosphatidylinositol 3-kinase [Schizosaccharomyces pombe]		

Seq. No.	45700	Seq. ID	OJ000251_15.0321.C6
Gene No.	96754	Strand	+
Start	1	End	1061
Name	OJ000251_15.0321.C6.o1.tm	Method	TBLASTX:Maize
Start	218	End	965
GI	none	Score	119
Exons	218..361, 232..393, 248..361, 343..420, 375..422, 378..419, 504..782, 505..783, 511..786, 512..787, 900..965, 901..945, 939..965		

Seq. No.	45700	Seq. ID	OJ000251_15.0321.C6
Gene No.	96754	Strand	+
Start	1	End	1061
Name	OJ000251_15.0321.C6.o1.gs	Method	GENSCAN
Start	250	End	918
GI	none	Score	.91
Exons	250..420, 514..779, 900..918		

Seq. No.	45700	Seq. ID	OJ000251_15.0321.C6
Gene No.	96754	Strand	+
Start	1	End	1061
Name	OJ000251_15.0321.C6.o1.ts	Method	TBLASTX:Soybean
Start	355	End	802
GI	none	Score	78
Exons	355..423, 384..446, 508..609, 671..802, 672..797	513..629, 514..786, 666..797,	

Seq. No.	45700	Seq. ID	OJ000251_15.0321.C6
Gene No.	96754	Strand	+
Start	1	End	1061
Name	OJ000251_15.0321.C6.o1.gp	Method	AAT/GAP
Start	504	End	1061
GI	36890_1.R1084	Score	818
Exons	504..779, 900..1061		
GI Descrip.	'1169736/sp|P42346|FRAP_RAT 4.0e-11 FKBP-RAPAMYCIN ASSOCIATED PROTEIN (FRAP) (RAPAMYCIN TARGET PROTEIN) >gi_1083778_pir__A54837 rapamycin/FKBP12 target 1 - rat >gi_511229 (U11681) rapamycin and FKBP12 target-1 protein [Rattus norvegicus] >gi_561858 (L37085) rapamycin target [Rattus norvegicus]'		

Seq. No.	45700	Seq. ID	OJ000251_15.0321.C6
Gene No.	96754	Strand	+
Start	1	End	1061
Name	OJ000251_15.0321.C6.o1.tc	Method	TBLASTX:Cress
Start	505	End	920
GI	none	Score	155
Exons	505..609, 513..614, 533..613, 900..920, 901..918	534..614, 655..783, 666..782,	

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96755	Strand	+
Start	4844	End	5291
Name	OJ000251_15.0321.C7.o2.np	Method	AAT/NAP
Start	4844	End	5291
GI	7452462	Score	370
Exons	4844..5291		
GI Descrip.	hypothetical protein T19L18.12 - Arabidopsis thaliana gi|3413706|gb|AAC31229.1| (AC004747) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96756	Strand	+
Start	6478	End	6639
Name	OJ000251_15.0321.C7.o3.gs	Method	GENSCAN
Start	6478	End	6639

GI	none	Score	.42
Exons	6478..6639		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96757	Strand	+
Start	8784	End	11926
Name	OJ000251_15.0321.C7.o3.np	Method	AAT/NAP
Start	8646	End	11298
GI	4191778	Score	716
Exons	8646..8696, 8918..8956, 9048..9143, 9560..9652, 9840..9891, 9975..10072, 10230..10416, 10521..10687, 10778..10823, 11014..11298		
GI Descrip.	(AC005917) putative nucleosome assembly protein [Arabidopsis thaliana]		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96757	Strand	+
Start	8784	End	11926
Name	OJ000251_15.0321.C7.o4.gs	Method	GENSCAN
Start	8784	End	11926
GI	none	Score	.94
Exons	8784..8796, 8913..8956, 9048..9143, 9840..9894, 10008..10072, 10230..10246, 10521..10689, 10997..11141, 11433..11926		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96758	Strand	-
Start	1	End	5301
Name	OJ000251_15.0321.C7.o1.np	Method	AAT/NAP
Start	1	End	4991
GI	4680203	Score	819
Exons	1..50, 2395..2450, 2882..3715, 4944..4991		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96758	Strand	-
Start	1	End	5301
Name	OJ000251_15.0321.C7.o1.gs	Method	GENSCAN
Start	475	End	2702
GI	none	Score	.76
Exons	475..657, 930..1001, 1402..1465, 1573..2702		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96758	Strand	-
Start	1	End	5301
Name	OJ000251_15.0321.C7.o2.gs	Method	GENSCAN
Start	2960	End	5275
GI	none	Score	.45
Exons	2960..3715, 4078..4271, 5065..5275		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96758	Strand	-
Start	1	End	5301
Name	OJ000251_15.0321.C7.o1.gp	Method	AAT/GAP
Start	3577	End	4203
GI	2310235	Score	286
Exons	3577..3715, 4166..4203		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza		

sativa]

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96758	Strand	-
Start	1	End	5301
Name	OJ000251_15.0321.C7.o2.gp	Method	AAT/GAP
Start	4873	End	5301
GI	uC-osflcyp085d03a1	Score	783
Exons	4873..5301		
GI Descrip.	'3413706 2.0e-48 (AC004747) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96759	Strand	-
Start	12612	End	13668
Name	OJ000251_15.0321.C7.o3.tw	Method	TBLASTX:Wheat
Start	1128	End	1646
GI	none	Score	61
Exons	1128..1199, 1297..1479, 1566..1646		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96759	Strand	-
Start	12612	End	13668
Name	OJ000251_15.0321.C7.o4.ts	Method	TBLASTX:Soybean
Start	2951	End	3241
GI	none	Score	101
Exons	2951..3016, 3023..3241, 3027..3233		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96759	Strand	-
Start	12612	End	13668
Name	OJ000251_15.0321.C7.o2.tw	Method	TBLASTX:Wheat
Start	3013	End	3409
GI	none	Score	201
Exons	3013..3255, 3021..3263, 3023..3274, 3024..3266, 3233..3409, 3271..3390		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96759	Strand	-
Start	12612	End	13668
Name	OJ000251_15.0321.C7.o3.tm	Method	TBLASTX:Maize
Start	4866	End	5158
GI	none	Score	150
Exons	4866..5138, 4874..5131, 4902..5138, 5032..5148, 5032..5148, 5033..5158		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96759	Strand	-
Start	12612	End	13668
Name	OJ000251_15.0321.C7.o1.ts	Method	TBLASTX:Soybean
Start	4875	End	5288
GI	none	Score	137
Exons	4875..5243, 4876..5001, 4986..5060, 5032..5205, 5208..5288		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96759	Strand	-
Start	12612	End	13668

Name	OJ000251_15.0321.C7.o1.tw	Method	TBLASTX:Wheat
Start	6821	End	11297
GI	none	Score	155
Exons	6821..6892, 6924..6989, 10292..10390, 10293..10391, 10394..10417, 10517..10588, 10521..10574, 10522..10644, 10573..10683, 10591..10689, 10780..10821, 10780..10848, 11012..11086, 11015..11089, 11256..11297		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96759	Strand	-
Start	12612	End	13668
Name	OJ000251_15.0321.C7.o2.tc	Method	TBLASTX:Cress
Start	8996	End	10680
GI	none	Score	105
Exons	8996..9142, 9042..9143, 9045..9149, 9556..9630, 10003..10083, 10004..10075, 10229..10390, 10230..10391, 10394..10417, 10521..10574, 10522..10644, 10573..10680, 10607..10666		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96759	Strand	-
Start	12612	End	13668
Name	OJ000251_15.0321.C7.o2.tm	Method	TBLASTX:Maize
Start	9042	End	11092
GI	none	Score	105
Exons	9042..9143, 9045..9149, 9565..9702, 10006..10071, 10007..10078, 10229..10390, 10230..10391, 10394..10417, 10522..10644, 10573..10683, 10780..10821, 11015..11092, 11017..11073		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96759	Strand	-
Start	12612	End	13668
Name	OJ000251_15.0321.C7.o3.ts	Method	TBLASTX:Soybean
Start	9042	End	11089
GI	none	Score	96
Exons	9042..9149, 9065..9169, 9565..9651, 10007..10075, 10009..10071, 10229..10390, 10230..10391, 10356..10403, 10394..10417, 10521..10574, 10522..10644, 10573..10683, 10591..10686, 10777..10821, 10778..10828, 11015..11089		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96759	Strand	-
Start	12612	End	13668
Name	OJ000251_15.0321.C7.o3.gp	Method	AAT/GAP
Start	12117	End	12186
GI	LIB3477-003-P1-K1-E9	Score	93
Exons	12117..12186		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96759	Strand	-
Start	12612	End	13668
Name	OJ000251_15.0321.C7.o1.tc	Method	TBLASTX:Cress
Start	12555	End	12898
GI	none	Score	48
Exons	12555..12602, 12571..12642, 12573..12638, 12643..12783,		

12645..12782, 12717..12806, 12800..12898, 12801..12893

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96759	Strand	-
Start	12612	End	13668
Name	OJ000251_15.0321.C7.o1.tm	Method	TBLASTX:Maize
Start	12573	End	12898
GI	none	Score	44
Exons	12573..12635, 12577..12627, 12640..12783, 12645..12782, 12655..12795, 12660..12806, 12800..12898, 12801..12893		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96759	Strand	-
Start	12612	End	13668
Name	OJ000251_15.0321.C7.o4.np	Method	AAT/NAP
Start	12573	End	13668
GI	6277256	Score	298
Exons	12573..12910, 13648..13668		
GI Descrip.	(AB034250) geranylgeranyl pyrophosphate synthase [Scoparia dulcis]		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96759	Strand	-
Start	12612	End	13668
Name	OJ000251_15.0321.C7.o2.ts	Method	TBLASTX:Soybean
Start	12573	End	12898
GI	none	Score	45
Exons	12573..12653, 12574..12642, 12613..12759, 12645..12782, 12646..12783, 12800..12898, 12801..12893		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96759	Strand	-
Start	12612	End	13668
Name	OJ000251_15.0321.C7.o5.gs	Method	GENSCAN
Start	12612	End	13484
GI	none	Score	.95
Exons	12612..12807, 13076..13132, 13295..13484		

Seq. No.	45701	Seq. ID	OJ000251_15.0321.C7
Gene No.	96759	Strand	-
Start	12612	End	13668
Name	OJ000251_15.0321.C7.o5.np	Method	AAT/NAP
Start	13295	End	13541
GI	1706260	Score	67
Exons	13295..13541		
GI Descrip.	CYSTEINE PROTEINASE 1 PRECURSOR gi|2118131|pir||S59597 cysteine proteinase 1 precursor - maize gi|643597|dbj|BAA08244| (D45402) cysteine proteinase [Zea mays]		

Seq. No.	45702	Seq. ID	OJ000251_15.0321.C10
Gene No.	96760	Strand	+
Start	24	End	1453
Name	OJ000251_15.0321.C10.o1.tm	Method	TBLASTX:Maize
Start	16	End	1200
GI	none	Score	133
Exons	16..132, 46..111, 48..113, 107..124, 108..137, 267..401, 302..406, 353..403, 607..753, 613..771, 615..755, 1050..1199,		

1054..1200

Seq. No.	45702	Seq. ID	OJ000251_15.0321.C10
Gene No.	96760	Strand	+
Start	24	End	1453
Name	OJ000251_15.0321.C10.o1.np	Method	AAT/NAP
Start	24	End	1453
GI	6678832	Score	254
Exons	24..131, 251..400, 618..682, 713..758, 1065..1227, 1308..1453		
GI Descrip.	mini chromosome maintenance deficient 6 (S. cerevisiae) gi|2497825|sp|P97311|MCM6_MOUSE DNA REPLICATION LICENSING FACTOR MCM6 (MIS5 HOMOLOG) gi|1498166|dbj|BAA13159.1| (D86726) mMIS5 [Mus musculus]		

Seq. No.	45702	Seq. ID	OJ000251_15.0321.C10
Gene No.	96760	Strand	+
Start	24	End	1453
Name	OJ000251_15.0321.C10.o1.gs	Method	GENSCAN
Start	55	End	1093
GI	none	Score	.94
Exons	55..131, 251..400, 618..758, 1065..1093		

Seq. No.	45702	Seq. ID	OJ000251_15.0321.C10
Gene No.	96760	Strand	+
Start	24	End	1453
Name	OJ000251_15.0321.C10.o2.tm	Method	TBLASTX:Maize
Start	1319	End	1453
GI	none	Score	221
Exons	1319..1453, 1320..1451		

Seq. No.	45703	Seq. ID	OJ000251_15.0321.C11
Gene No.	96761	Strand	+
Start	1371	End	1712
Name	OJ000251_15.0321.C11.o1.np	Method	AAT/NAP
Start	1371	End	1712
GI	6630451	Score	218
Exons	1371..1712		
GI Descrip.	(AC007190) F23N19.16 [Arabidopsis thaliana]		

Seq. No.	45703	Seq. ID	OJ000251_15.0321.C11
Gene No.	96762	Strand	+
Start	2746	End	3234
Name	OJ000251_15.0321.C11.o1.gp	Method	AAT/GAP
Start	2746	End	3234
GI	702309	Score	866
Exons	2746..3234		

Seq. No.	45703	Seq. ID	OJ000251_15.0321.C11
Gene No.	96763	Strand	+
Start	3652	End	4112
Name	OJ000251_15.0321.C11.o2.gp	Method	AAT/GAP
Start	3652	End	4112
GI	5056128	Score	856
Exons	3652..4112		

Seq. No.	45703	Seq. ID	OJ000251_15.0321.C11
Gene No.	96764	Strand	+

Start	4904	End	7177
Name	OJ000251_15.0321.C11.o1.tm	Method	TBLASTX:Maize
Start	1431	End	3852
GI	none	Score	314
Exons	1431..1679, 1445..1678, 3799..3852		

Seq. No.	45703	Seq. ID	OJ000251_15.0321.C11
Gene No.	96764	Strand	+
Start	4904	End	7177
Name	OJ000251_15.0321.C11.o1.ts	Method	TBLASTX:Soybean
Start	1436	End	1673
GI	none	Score	246
Exons	1436..1669, 1437..1673		

Seq. No.	45703	Seq. ID	OJ000251_15.0321.C11
Gene No.	96764	Strand	+
Start	4904	End	7177
Name	OJ000251_15.0321.C11.o2.gs	Method	GENSCAN
Start	4904	End	7177
GI	none	Score	.87
Exons	4904..5049, 5472..5526, 5653..5924, 6775..6997, 7082..7177		

Seq. No.	45703	Seq. ID	OJ000251_15.0321.C11
Gene No.	96764	Strand	+
Start	4904	End	7177
Name	OJ000251_15.0321.C11.o2.tm	Method	TBLASTX:Maize
Start	6745	End	7009
GI	none	Score	126
Exons	6745..6864, 6755..6865, 6763..6879, 6780..6884, 6910..7008, 6911..7009		

Seq. No.	45704	Seq. ID	OJ000251_15.0321.C12
Gene No.	96765	Strand	+
Start	1	End	2476
Name	OJ000251_15.0321.C12.o1.np	Method	AAT/NAP
Start	1	End	2475
GI	417497	Score	397
Exons	1..138, 884..1000, 1320..1442, 1527..1594, 1732..1867, 1978..2143, 2228..2475		
GI Descrip.	MITOCHONDRIAL INTERMEDIATE PEPTIDASE PRECURSOR (MIP) gi|423909|pir||A46273 mitochondrial intermediate peptidase (EC 3.4.24.-) - rat gi|206272|gb|AAA41899.1| (M96633) intermediate peptidase precursor [Rattus norvegicus]		

Seq. No.	45704	Seq. ID	OJ000251_15.0321.C12
Gene No.	96765	Strand	+
Start	1	End	2476
Name	OJ000251_15.0321.C12.o1.tm	Method	TBLASTX:Maize
Start	1357	End	2476
GI	none	Score	131
Exons	1357..1461, 1365..1448, 1366..1455, 1525..1596, 1526..1597, 1527..1598, 1530..1598, 1733..1897, 1735..1857, 1736..1879, 1975..2145, 1977..2159, 1977..2144, 2223..2474, 2224..2472, 2227..2475, 2228..2476		

Seq. No.	45705	Seq. ID	OJ000251_15.0321.C13
Gene No.	96766	Strand	+

Start	1851	End	4939
Name	OJ000251_15.0321.C13.o3.np	Method	AAT/NAP
Start	1851	End	4939
GI	5922620	Score	305
Exons	1851..1987, 2391..2415, 3207..3240, 3273..3673, 4812..4939		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	45705	Seq. ID	OJ000251_15.0321.C13
Gene No.	96767	Strand	-
Start	1	End	6694
Name	OJ000251_15.0321.C13.o1.gp	Method	AAT/GAP
Start	1	End	211
GI	6044_1.R1084	Score	396
Exons	1..211		
GI Descrip.	'4538992/emb|CAB39613.1| 4.0e-14 (AL049481) putative protein [Arabidopsis thaliana]'		

Seq. No.	45705	Seq. ID	OJ000251_15.0321.C13
Gene No.	96767	Strand	-
Start	1	End	6694
Name	OJ000251_15.0321.C13.o1.np	Method	AAT/NAP
Start	1	End	1586
GI	6539570	Score	169
Exons	1..55, 1140..1206, 1383..1586		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	45705	Seq. ID	OJ000251_15.0321.C13
Gene No.	96767	Strand	-
Start	1	End	6694
Name	OJ000251_15.0321.C13.o1.gs	Method	GENSCAN
Start	51	End	6694
GI	none	Score	.61
Exons	51..190, 1343..1521, 1910..2116, 3011..3159, 3184..3287, 3351..3460, 3541..3739, 4346..4386, 4764..4886, 6266..6478, 6510..6694		

Seq. No.	45705	Seq. ID	OJ000251_15.0321.C13
Gene No.	96767	Strand	-
Start	1	End	6694
Name	OJ000251_15.0321.C13.o2.np	Method	AAT/NAP
Start	1713	End	3057
GI	6630699	Score	77
Exons	1713..1796, 3022..3057		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	45705	Seq. ID	OJ000251_15.0321.C13
Gene No.	96768	Strand	-
Start	7930	End	8933
Name	OJ000251_15.0321.C13.o2.gs	Method	GENSCAN
Start	7930	End	8933
GI	none	Score	.83

Exons	7930..8057, 8626..8838, 8840..8933		
Seq. No.	45705	Seq. ID	OJ000251_15.0321.C13
Gene No.	96769	Strand	-
Start	9964	End	13556
Name	OJ000251_15.0321.C13.o2.gp	Method	AAT/GAP
Start	9733	End	11880
GI	none	Score	868
Exons	9733..10044, 10146..10187, 11627..11682, 11796..11880		
Seq. No.	45705	Seq. ID	OJ000251_15.0321.C13
Gene No.	96769	Strand	-
Start	9964	End	13556
Name	OJ000251_15.0321.C13.o3.gs	Method	GENSCAN
Start	9964	End	13556
GI	none	Score	.53
Exons	9964..10044, 10146..10187, 11553..11682, 11796..11935, 12522..13124, 13148..13270, 13317..13556		
Seq. No.	45705	Seq. ID	OJ000251_15.0321.C13
Gene No.	96770	Strand	-
Start	14452	End	17116
Name	OJ000251_15.0321.C13.o1.tm	Method	TBLASTX:Maize
Start	9778	End	11812
GI	none	Score	99
Exons	9778..9867, 9781..9855, 9782..9868, 9876..9905, 9908..10003, 9956..10015, 9959..10015, 10011..10055, 10017..10043, 10019..10045, 10146..10187, 10147..10188, 11628..11684, 11628..11684, 11795..11812		
Seq. No.	45705	Seq. ID	OJ000251_15.0321.C13
Gene No.	96770	Strand	-
Start	14452	End	17116
Name	OJ000251_15.0321.C13.o4.gs	Method	GENSCAN
Start	14452	End	16538
GI	none	Score	1
Exons	14452..16077, 16394..16538		
Seq. No.	45705	Seq. ID	OJ000251_15.0321.C13
Gene No.	96770	Strand	-
Start	14452	End	17116
Name	OJ000251_15.0321.C13.o4.np	Method	AAT/NAP
Start	14455	End	17116
GI	6453858	Score	188
Exons	14455..14505, 14969..15354, 15634..15831, 16167..16310, 16394..16538, 16929..17116		
GI Descrip.	(AC011717) unknown protein [Arabidopsis thaliana]		
Seq. No.	45706	Seq. ID	OJ000251_15.0321.C14
Gene No.	96771	Strand	+
Start	4380	End	5977
Name	OJ000251_15.0321.C14.o1.np	Method	AAT/NAP
Start	4380	End	5977
GI	6010031	Score	460
Exons	4380..4476, 4557..4740, 4913..4961, 5094..5167, 5277..5393, 5903..5977		
GI Descrip.	(AJ249865) GTP binding protein [Cichorium intybus X Cichorium		

endivia subsp. endivia]

Seq. No.	45706	Seq. ID	OJ000251_15.0321.C14
Gene No.	96772	Strand	+
Start	11373	End	11581
Name	OJ000251_15.0321.C14.o1.gp	Method	AAT/GAP
Start	11373	End	11581
GI	uC-osroM202012a07a1	Score	398
Exons	11373..11581		
GI Descrip.	'2244792/emb|CAB10215.1| 9.0e-17 (Z97336) ankyrin like protein [Arabidopsis thaliana]'		

Seq. No.	45706	Seq. ID	OJ000251_15.0321.C14
Gene No.	96773	Strand	-
Start	9942	End	12555
Name	OJ000251_15.0321.C14.o2.tm	Method	TBLASTX:Maize
Start	4414	End	5375
GI	none	Score	85
Exons	4414..4494, 4415..4492, 4555..4728, 4572..4730, 4916..4963, 5092..5157, 5274..5375, 5276..5365		

Seq. No.	45706	Seq. ID	OJ000251_15.0321.C14
Gene No.	96773	Strand	-
Start	9942	End	12555
Name	OJ000251_15.0321.C14.o2.ts	Method	TBLASTX:Soybean
Start	4414	End	5375
GI	none	Score	88
Exons	4414..4494, 4415..4492, 4558..4728, 4572..4775, 4913..4963, 5274..5375, 5276..5374		

Seq. No.	45706	Seq. ID	OJ000251_15.0321.C14
Gene No.	96773	Strand	-
Start	9942	End	12555
Name	OJ000251_15.0321.C14.o2.tc	Method	TBLASTX:Cress
Start	4415	End	5375
GI	none	Score	78
Exons	4415..4492, 4555..4728, 4557..4736, 4798..4842, 4910..4969, 4927..4968, 5092..5157, 5093..5167, 5265..5375, 5276..5365		

Seq. No.	45706	Seq. ID	OJ000251_15.0321.C14
Gene No.	96773	Strand	-
Start	9942	End	12555
Name	OJ000251_15.0321.C14.o2.np	Method	AAT/NAP
Start	9942	End	12555
GI	3785977	Score	264
Exons	9942..9991, 11576..11927, 12426..12555		
GI Descrip.	(AC005560) similar to axi 1 protein from Nicotiana tabacum [Arabidopsis thaliana]		

Seq. No.	45706	Seq. ID	OJ000251_15.0321.C14
Gene No.	96773	Strand	-
Start	9942	End	12555
Name	OJ000251_15.0321.C14.o1.tm	Method	TBLASTX:Maize
Start	11526	End	12554
GI	none	Score	408
Exons	11526..11927, 11526..11927, 11527..11928, 12390..12554, 12425..12553, 12429..12554		

Seq. No.	45706	Seq. ID	OJ000251_15.0321.C14
Gene No.	96773	Strand	-
Start	9942	End	12555
Name	OJ000251_15.0321.C14.o1.ts	Method	TBLASTX:Soybean
Start	11547	End	11910
GI	none	Score	106
Exons	11547..11741, 11565..11756, 11569..11754, 11752..11892, 11753..11878, 11760..11909, 11760..11909, 11761..11910		

Seq. No.	45706	Seq. ID	OJ000251_15.0321.C14
Gene No.	96773	Strand	-
Start	9942	End	12555
Name	OJ000251_15.0321.C14.o1.tc	Method	TBLASTX:Cress
Start	11565	End	11817
GI	none	Score	77
Exons	11565..11756, 11567..11689, 11567..11758, 11569..11757, 11751..11816, 11761..11817		

Seq. No.	45706	Seq. ID	OJ000251_15.0321.C14
Gene No.	96773	Strand	-
Start	9942	End	12555
Name	OJ000251_15.0321.C14.o2.gs	Method	GENSCAN
Start	11565	End	12440
GI	none	Score	.98
Exons	11565..11927, 12426..12440		

Seq. No.	45706	Seq. ID	OJ000251_15.0321.C14
Gene No.	96773	Strand	-
Start	9942	End	12555
Name	OJ000251_15.0321.C14.o2.gp	Method	AAT/GAP
Start	11788	End	11928
GI	3106698	Score	193
Exons	11788..11928		

Seq. No.	45707	Seq. ID	OJ000251_15.0321.C15
Gene No.	96774	Strand	-
Start	1	End	2729
Name	OJ000251_15.0321.C15.o1.np	Method	AAT/NAP
Start	1	End	1515
GI	7459610	Score	295
Exons	1..130, 334..450, 990..1118, 1243..1331, 1419..1515		
GI Descrip.	hypothetical protein F22K18.270 - Arabidopsis thaliana gi|4220537|emb|CAA23010.1| (AL035356) PsRT17-1 like protein [Arabidopsis thaliana] gi|7269303|emb|CAB79363.1| (AL161561) PsRT17-1 like protein [Arabidopsis thaliana]		

Seq. No.	45707	Seq. ID	OJ000251_15.0321.C15
Gene No.	96774	Strand	-
Start	1	End	2729
Name	OJ000251_15.0321.C15.o1.gs	Method	GENSCAN
Start	131	End	2729
GI	none	Score	.93
Exons	131..197, 334..450, 999..1118, 1243..1331, 2236..2286, 2388..2729		

Seq. No.	45707	Seq. ID	OJ000251_15.0321.C15

Gene No.	96775	Strand	-
Start	3329	End	7488
Name	OJ000251_15.0321.C15.o3.tm	Method	TBLASTX:Maize
Start	1	End	414
GI	none	Score	173
Exons	1..129, 8..133, 10..129, 331..414, 333..413		

Seq. No.	45707	Seq. ID	OJ000251_15.0321.C15
Gene No.	96775	Strand	-
Start	3329	End	7488
Name	OJ000251_15.0321.C15.o4.tm	Method	TBLASTX:Maize
Start	414	End	1307
GI	none	Score	111
Exons	414..452, 990..1109, 991..1116, 998..1117, 1248..1304, 1248..1307, 1249..1305		

Seq. No.	45707	Seq. ID	OJ000251_15.0321.C15
Gene No.	96775	Strand	-
Start	3329	End	7488
Name	OJ000251_15.0321.C15.o2.ts	Method	TBLASTX:Soybean
Start	1007	End	2286
GI	none	Score	68
Exons	1007..1117, 1008..1061, 1021..1119, 1230..1331, 1240..1332, 1242..1337, 1411..1503, 1416..1496, 2058..2132, 2062..2136, 2219..2284, 2230..2286		

Seq. No.	45707	Seq. ID	OJ000251_15.0321.C15
Gene No.	96775	Strand	-
Start	3329	End	7488
Name	OJ000251_15.0321.C15.o5.tm	Method	TBLASTX:Maize
Start	1431	End	2286
GI	none	Score	95
Exons	1431..1499, 1432..1497, 2043..2135, 2044..2121, 2233..2286, 2234..2284, 2236..2286		

Seq. No.	45707	Seq. ID	OJ000251_15.0321.C15
Gene No.	96775	Strand	-
Start	3329	End	7488
Name	OJ000251_15.0321.C15.o2.gs	Method	GENSCAN
Start	3329	End	7435
GI	none	Score	.76
Exons	3329..3475, 4057..4252, 5080..5300, 5401..5513, 6362..6956, 7046..7228, 7358..7435		

Seq. No.	45707	Seq. ID	OJ000251_15.0321.C15
Gene No.	96775	Strand	-
Start	3329	End	7488
Name	OJ000251_15.0321.C15.o2.np	Method	AAT/NAP
Start	3928	End	7488
GI	7488052	Score	1747
Exons	3928..4252, 5080..5300, 5401..5513, 6362..6962, 7016..7228, 7358..7488		
GI Descrip.	probable ankyrin - Arabidopsis thaliana gi|2244792|emb|CAB10215.1| (Z97336) ankyrin like protein [Arabidopsis thaliana] gi|7268141|emb|CAB78478.1| (AL161538) ankyrin like protein [Arabidopsis thaliana]		

Seq. No.	45707	Seq. ID	OJ000251_15.0321.C15
Gene No.	96775	Strand	-
Start	3329	End	7488
Name	OJ000251_15.0321.C15.o1.tm	Method	TBLASTX:Maize
Start	3961	End	7151
GI	none	Score	100
Exons	3961..3996, 4043..4252, 4045..4251, 4046..4252, 5064..5300, 5074..5232, 5079..5297, 5396..5506, 5401..5511, 6203..6262, 6363..6965, 6373..6957, 6819..6914, 7043..7150, 7050..7151, 7062..7151		

Seq. No.	45707	Seq. ID	OJ000251_15.0321.C15
Gene No.	96775	Strand	-
Start	3329	End	7488
Name	OJ000251_15.0321.C15.o1.ts	Method	TBLASTX:Soybean
Start	3961	End	7486
GI	none	Score	90
Exons	3961..4029, 4043..4252, 4045..4251, 4134..4253, 4134..4262, 5064..5300, 5067..5294, 5068..5301, 5068..5301, 5404..5508, 5432..5506, 6363..6965, 6364..6897, 6869..6937, 7043..7231, 7062..7229, 7064..7231, 7355..7486, 7365..7430		

Seq. No.	45707	Seq. ID	OJ000251_15.0321.C15
Gene No.	96775	Strand	-
Start	3329	End	7488
Name	OJ000251_15.0321.C15.o3.tc	Method	TBLASTX:Cress
Start	3965	End	5117
GI	none	Score	126
Exons	3965..4252, 3967..4251, 4138..4299, 5067..5117		

Seq. No.	45707	Seq. ID	OJ000251_15.0321.C15
Gene No.	96775	Strand	-
Start	3329	End	7488
Name	OJ000251_15.0321.C15.o1.tc	Method	TBLASTX:Cress
Start	5118	End	6749
GI	none	Score	78
Exons	5118..5183, 5235..5300, 5392..5508, 5396..5512, 6347..6646, 6363..6749, 6369..6746, 6376..6747, 6527..6748		

Seq. No.	45707	Seq. ID	OJ000251_15.0321.C15
Gene No.	96775	Strand	-
Start	3329	End	7488
Name	OJ000251_15.0321.C15.o1.gp	Method	AAT/GAP
Start	5205	End	6493
GI	2311559	Score	571
Exons	5205..5300, 5401..5513, 6362..6493		
GI Descrip.	2244792/emb|CAB10215.1| 9.0e-17 (Z97336) ankyrin like protein [Arabidopsis thaliana]		

Seq. No.	45707	Seq. ID	OJ000251_15.0321.C15
Gene No.	96775	Strand	-
Start	3329	End	7488
Name	OJ000251_15.0321.C15.o1.tw	Method	TBLASTX:Wheat
Start	6468	End	6842
GI	none	Score	194
Exons	6468..6839, 6468..6842, 6469..6840		

Seq. No.	45707	Seq. ID	OJ000251_15.0321.C15
Gene No.	96775	Strand	-
Start	3329	End	7488
Name	OJ000251_15.0321.C15.o2.tc	Method	TBLASTX:Cress
Start	6769	End	7231
GI	none	Score	110
Exons	6769..6897, 6771..6923, 6774..6905, 7031..7222, 7054..7176, 7061..7231		

Seq. No.	45707	Seq. ID	OJ000251_15.0321.C15
Gene No.	96775	Strand	-
Start	3329	End	7488
Name	OJ000251_15.0321.C15.o2.tm	Method	TBLASTX:Maize
Start	7173	End	7486
GI	none	Score	82
Exons	7173..7229, 7175..7231, 7355..7486, 7356..7430		

Seq. No.	45707	Seq. ID	OJ000251_15.0321.C15
Gene No.	96775	Strand	-
Start	3329	End	7488
Name	OJ000251_15.0321.C15.o4.tc	Method	TBLASTX:Cress
Start	7349	End	7486
GI	none	Score	72
Exons	7349..7486, 7362..7430		

Seq. No.	45708	Seq. ID	OJ000251_15.0321.C16
Gene No.	96776	Strand	+
Start	1358	End	1700
Name	OJ000251_15.0321.C16.o1.gs	Method	GENSCAN
Start	1358	End	1700
GI	none	Score	.7
Exons	1358..1382, 1465..1700		

Seq. No.	45709	Seq. ID	OJ000251_15.0321.C17
Gene No.	96777	Strand	+
Start	1	End	1315
Name	OJ000251_15.0321.C17.o1.gp	Method	AAT/GAP
Start	1	End	673
GI	LIB3431-028-P1-K1-F6	Score	680
Exons	1..256, 397..459, 625..673		
GI Descrip.	'2673920 5.0e-21 (AC002561) similar to Drosophila couch potato protein [Arabidopsis thaliana]'		

Seq. No.	45709	Seq. ID	OJ000251_15.0321.C17
Gene No.	96777	Strand	+
Start	1	End	1315
Name	OJ000251_15.0321.C17.o1.np	Method	AAT/NAP
Start	31	End	1315
GI	7488315	Score	272
Exons	31..254, 398..459, 625..709, 1208..1315		
GI Descrip.	RNA-binding protein homolog T24P15.15 - Arabidopsis thaliana gi|2673920|gb|AAB88654.1| (AC002561) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	45709	Seq. ID	OJ000251_15.0321.C17
Gene No.	96778	Strand	-
Start	4029	End	4429

Name	OJ000251_15.0321.C17.o1.tm	Method	TBLASTX:Maize
Start	98	End	3057
GI	none	Score	206
Exons	98..250, 134..235, 145..237, 390..458, 395..457, 396..464, 624..704, 625..708, 626..712, 805..873, 807..872, 1198..1275, 1198..1275, 1199..1276, 1200..1280, 2798..2905, 2798..2905, 2800..2910, 2800..2907, 2983..3057, 2984..3055, 2986..3057		

Seq. No.	45709	Seq. ID	OJ000251_15.0321.C17
Gene No.	96778	Strand	-
Start	4029	End	4429
Name	OJ000251_15.0321.C17.o2.gp	Method	AAT/GAP
Start	4029	End	4429
GI	none	Score	794
Exons	4029..4429		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96779	Strand	+
Start	3120	End	4203
Name	OJ000251_15.0321.C18.o2.gp	Method	AAT/GAP
Start	2948	End	3587
GI	none	Score	1268
Exons	2948..3587		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96779	Strand	+
Start	3120	End	4203
Name	OJ000251_15.0321.C18.o1.np	Method	AAT/NAP
Start	3111	End	4203
GI	6523033	Score	538
Exons	3111..3180, 3217..3856, 3927..4203		
GI Descrip.	(AL132976) putative protein [Arabidopsis thaliana]		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96779	Strand	+
Start	3120	End	4203
Name	OJ000251_15.0321.C18.o2.gs	Method	GENSCAN
Start	3120	End	4200
GI	none	Score	.44
Exons	3120..3856, 3927..4200		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96780	Strand	+
Start	12495	End	17146
Name	OJ000251_15.0321.C18.o6.gp	Method	AAT/GAP
Start	12412	End	12944
GI	uC-osroM202032h05b1	Score	582
Exons	12412..12579, 12710..12789, 12878..12944		
GI Descrip.	'5732069/gb|AAD48968.1|AF147263_10 4.0e-28 (AF147263) contains similarity to Pfam family PF00036 - EF hand; score=11.7, E=0.66,N=1 [Arabidopsis thaliana]'		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96780	Strand	+
Start	12495	End	17146
Name	OJ000251_15.0321.C18.o3.np	Method	AAT/NAP
Start	12495	End	16520

GI	5732069	Score	1404
Exons	12495..12579, 12710..12789, 12878..12927, 13043..13245, 13470..13528, 14024..14162, 14290..14392, 14484..14533, 15244..15372, 15446..15710, 15788..15869, 16146..16272, 16353..16520		
GI Descrip.	(AF147263) contains similarity to Pfam family PF00036 - EF hand; score=11.7, E=0.66,N=1 [Arabidopsis thaliana]		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96780	Strand	+
Start	12495	End	17146
Name	OJ000251_15.0321.C18.o4.gs	Method	GENSCAN
Start	12495	End	17146
GI	none	Score	.92
Exons	12495..12579, 12710..12789, 12878..12999, 13336..13378, 14021..14134, 15244..15372, 15446..15697, 15790..15869, 16146..16272, 16353..16496, 16955..17146		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96780	Strand	+
Start	12495	End	17146
Name	OJ000251_15.0321.C18.o7.gp	Method	AAT/GAP
Start	15638	End	16470
GI	1036953	Score	569
Exons	15638..15697, 15790..15869, 16146..16272, 16353..16470		
GI Descrip.	5732069/gb|AAD48968.1|AF147263_10 4.0e-28 (AF147263) contains similarity to Pfam family PF00036 - EF hand; score=11.7, E=0.66,N=1 [Arabidopsis thaliana]		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96781	Strand	-
Start	4385	End	10446
Name	OJ000251_15.0321.C18.o3.gs	Method	GENSCAN
Start	4385	End	10336
GI	none	Score	.87
Exons	4385..4716, 4757..4897, 5142..5310, 6411..6485, 6564..6652, 6787..6922, 7665..7763, 7841..7960, 8076..8192, 8282..8417, 8523..8692, 8852..9055, 9140..9265, 9949..10152, 10322..10336		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96781	Strand	-
Start	4385	End	10446
Name	OJ000251_15.0321.C18.o3.gp	Method	AAT/GAP
Start	5520	End	7737
GI	12908_1.R1084	Score	1337
Exons	5520..5862, 6411..6485, 6564..6652, 6787..6868, 7493..7582, 7665..7737		
GI Descrip.	'5453607/ref|NP_006420.1|pNIP7-1| 4.0e-49 chaperonin containing TCP1, subunit 7 (eta); CCT-eta >gi_3041738_sp_Q99832_TCPH_HUMAN T-COMPLEX PROTEIN 1, ETA SUBUNIT (TCP-1-ETA) (CCT-ETA) (HIV-1 NEF INTERACTING PROTEIN) >gi_2559010 (AF026292) chaperonin containing t-complex polypeptide 1, eta subunit; CCT-eta [Homo sapiens]'		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96781	Strand	-
Start	4385	End	10446

Name	OJ000251_15.0321.C18.o2.np	Method	AAT/NAP
Start	5782	End	10223
GI	6671939	Score	2115
Exons	5782..5862, 6411..6485, 6564..6658, 6787..6868, 7493..7582, 7665..7763, 7841..7960, 8076..8192, 8282..8417, 8523..8692, 8852..9055, 9140..9265, 9949..10223		
GI Descrip.	(AC016795) putative T-complex protein 1, ETA subunit [Arabidopsis thaliana]		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96781	Strand	-
Start	4385	End	10446
Name	OJ000251_15.0321.C18.o4.gp	Method	AAT/GAP
Start	7884	End	8527
GI	uC-osflcyp018g08b1	Score	272
Exons	7884..7960, 8076..8162, 8513..8527		
GI Descrip.	'5091607/gb|AAD39596.1|AC007858_10 1.0e-17 (AC007858) Contains similarity to gb_CAB16841 trichohyalin like protein from Arabidopsis thaliana. [Oryza sativa]'		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96781	Strand	-
Start	4385	End	10446
Name	OJ000251_15.0321.C18.o5.gp	Method	AAT/GAP
Start	8905	End	10446
GI	62124_1.R1084	Score	1161
Exons	8905..9055, 9140..9265, 9949..10208, 10322..10446		
GI Descrip.	'3649758/emb|CAB11107.1| 6.0e-37 (Z98547) predicted using hexExon; MAL3P3.6 (PFC0350c), T-complex protein eta subunit, len: 540 aa; Similarity to T-complex proteins, eta subunit. H.sapiens T-complex protein, eta subunit (SW:TCPH_HUMAN) BLAST Score: 1549, sum'		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96782	Strand	-
Start	17010	End	17551
Name	OJ000251_15.0321.C18.o8.gp	Method	AAT/GAP
Start	17010	End	17551
GI	none	Score	1014
Exons	17010..17551		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96783	Strand	-
Start	18035	End	18297
Name	OJ000251_15.0321.C18.o2.ts	Method	TBLASTX:Soybean
Start	3524	End	12345
GI	none	Score	383
Exons	3524..3652, 3525..3857, 3749..3865, 3940..4101, 3942..3983, 12271..12345		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96783	Strand	-
Start	18035	End	18297
Name	OJ000251_15.0321.C18.o3.tc	Method	TBLASTX:Cress
Start	3524	End	4050
GI	none	Score	179
Exons	3524..3613, 3525..3698, 3741..3857, 3928..4005, 4003..4050		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96783	Strand	-
Start	18035	End	18297
Name	OJ000251_15.0321.C18.o4.tm	Method	TBLASTX:Maize
Start	3612	End	3806
GI	none	Score	195
Exons	3612..3806		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96783	Strand	-
Start	18035	End	18297
Name	OJ000251_15.0321.C18.o3.tm	Method	TBLASTX:Maize
Start	3809	End	4172
GI	none	Score	84
Exons	3809..3859, 3810..3857, 3927..4172, 3928..4167		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96783	Strand	-
Start	18035	End	18297
Name	OJ000251_15.0321.C18.o1.tm	Method	TBLASTX:Maize
Start	5765	End	10214
GI	none	Score	101
Exons	5765..5836, 6397..6486, 6405..6488, 6411..6488, 6415..6489, 6559..6654, 6561..6650, 6610..6651, 6611..6667, 6769..6870, 6785..6874, 6786..6875, 7482..7583, 7484..7582, 7493..7585, 7648..7764, 7651..7764, 7662..7778, 7662..7766, 7835..7960, 7845..7961, 8070..8195, 8074..8208, 8282..8419, 8282..8419, 8283..8420, 8284..8421, 8517..8693, 8574..8693, 8844..9056, 8849..9061, 8850..9056, 8851..9057, 9038..9112, 9138..9257, 9140..9268, 9147..9266, 9946..10164, 9947..10153, 10156..10209, 10159..10209, 10161..10214		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96783	Strand	-
Start	18035	End	18297
Name	OJ000251_15.0321.C18.o1.ts	Method	TBLASTX:Soybean
Start	6397	End	9053
GI	none	Score	100
Exons	6397..6486, 6405..6488, 6411..6488, 6412..6489, 6559..6654, 6561..6650, 6791..6874, 6792..6875, 6792..6878, 7484..7582, 7485..7583, 7662..7766, 7666..7767, 7672..7767, 7835..7966, 7842..7967, 7843..7968, 7852..7971, 8070..8195, 8074..8208, 8074..8199, 8282..8419, 8283..8420, 8521..8550, 8521..8652, 8523..8693, 8584..8697, 8585..8698, 8585..8692, 8849..8932, 8870..8932, 8918..8968, 8934..8993, 9000..9053		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96783	Strand	-
Start	18035	End	18297
Name	OJ000251_15.0321.C18.o4.tc	Method	TBLASTX:Cress
Start	6411	End	6823
GI	none	Score	105
Exons	6411..6488, 6412..6489, 6559..6657, 6561..6650, 6610..6654, 6791..6823		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18

Gene No.	96783	Strand	-
Start	18035	End	18297
Name	OJ000251_15.0321.C18.o1.tc	Method	TBLASTX:Cress
Start	6824	End	8421
GI	none	Score	65
Exons	6824..6868, 6824..6874, 7482..7583, 7484..7582, 7514..7585, 7693..7767, 7698..7778, 7698..7766, 7835..7867, 7859..7966, 7860..7967, 8070..8195, 8074..8190, 8152..8199, 8280..8390, 8282..8419, 8286..8420, 8293..8421		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96783	Strand	-
Start	18035	End	18297
Name	OJ000251_15.0321.C18.o2.tc	Method	TBLASTX:Cress
Start	8912	End	10214
GI	none	Score	85
Exons	8912..9055, 8931..9053, 9140..9268, 9153..9266, 9946..10164, 9947..10156, 10161..10214, 10162..10209		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96783	Strand	-
Start	18035	End	18297
Name	OJ000251_15.0321.C18.o4.ts	Method	TBLASTX:Soybean
Start	9135	End	10209
GI	none	Score	121
Exons	9135..9266, 9149..9268, 9946..10164, 9947..10156, 10161..10208, 10162..10209		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96783	Strand	-
Start	18035	End	18297
Name	OJ000251_15.0321.C18.o6.tc	Method	TBLASTX:Cress
Start	12527	End	13092
GI	none	Score	62
Exons	12527..12577, 12531..12578, 12699..12791, 12700..12792, 12875..12949, 12877..12942, 13039..13092		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96783	Strand	-
Start	18035	End	18297
Name	OJ000251_15.0321.C18.o6.ts	Method	TBLASTX:Soybean
Start	12527	End	13259
GI	none	Score	69
Exons	12527..12577, 12528..12578, 12699..12806, 12700..12801, 12875..12949, 12877..12945, 13043..13093, 13188..13259		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96783	Strand	-
Start	18035	End	18297
Name	OJ000251_15.0321.C18.o2.tm	Method	TBLASTX:Maize
Start	12759	End	17402
GI	none	Score	40
Exons	12759..12791, 12760..12792, 12873..12944, 12875..12949, 12875..12946, 12877..12948, 13042..13098, 13043..13099, 13046..13120, 13047..13103, 13181..13237, 13188..13247, 13195..13245, 13308..13379, 13330..13380, 13462..13527, 13468..13557, 14018..14134, 14020..14133, 14247..14393,		

14271..14393, 14278..14394, 14290..14394, 14482..14544,
14482..14532, 14483..14551, 14483..14533, 15243..15374,
15243..15374, 15247..15375, 15435..15692, 15445..15699,
15446..15700, 15786..15875, 15787..15876, 16127..16267,
16145..16267, 16147..16278, 16350..16499, 16351..16497,
16353..16499, 16952..17092, 16952..17089, 16954..17091,
17025..17132, 17088..17123, 17090..17131, 17115..17150,
17115..17150, 17322..17402

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96783	Strand	-
Start	18035	End	18297
Name	OJ000251_15.0321.C18.o3.ts	Method	TBLASTX:Soybean
Start	14482	End	15625
GI	none	Score	73
Exons	14482..14532, 14482..14532, 14483..14554, 14489..14542, 15243..15371, 15247..15375, 15445..15549, 15446..15625, 15448..15624		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96783	Strand	-
Start	18035	End	18297
Name	OJ000251_15.0321.C18.o5.ts	Method	TBLASTX:Soybean
Start	15649	End	17008
GI	none	Score	78
Exons	15649..15696, 15650..15700, 15786..15869, 15787..15876, 16147..16278, 16151..16264, 16344..16499, 16350..16499, 16354..16509, 16952..17008		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96783	Strand	-
Start	18035	End	18297
Name	OJ000251_15.0321.C18.o5.tc	Method	TBLASTX:Cress
Start	16393	End	17132
GI	none	Score	135
Exons	16393..16476, 16409..16498, 16410..16499, 16952..17092, 16971..17087, 16972..17091, 17025..17132, 17088..17123, 17090..17131		

Seq. No.	45710	Seq. ID	OJ000251_15.0321.C18
Gene No.	96783	Strand	-
Start	18035	End	18297
Name	OJ000251_15.0321.C18.o5.gs	Method	GENSCAN
Start	18035	End	18297
GI	none	Score	.95
Exons	18035..18045, 18216..18297		

Seq. No.	45711	Seq. ID	OJ000251_15.0321.C19
Gene No.	96784	Strand	+
Start	1	End	2290
Name	OJ000251_15.0321.C19.o1.gp	Method	AAT/GAP
Start	1	End	2290
GI	15533_1.R1084	Score	1817
Exons	1..498, 1851..2290		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	45711	Seq. ID	OJ000251_15.0321.C19
Gene No.	96784	Strand	+
Start	1	End	2290
Name	OJ000251_15.0321.C19.o1.np	Method	AAT/NAP
Start	1	End	2090
GI	4006882	Score	601
Exons	1..498, 1851..2090		
GI Descrip.	(Z99707) UDP-glucuronyltransferase-like protein [Arabidopsis thaliana] gi|7270638|emb|CAB80355.1| (AL161590) UDP-glucuronyltransferase-like protein [Arabidopsis thaliana]		

Seq. No.	45711	Seq. ID	OJ000251_15.0321.C19
Gene No.	96784	Strand	+
Start	1	End	2290
Name	OJ000251_15.0321.C19.o1.gs	Method	GENSCAN
Start	50	End	2031
GI	none	Score	.92
Exons	50..498, 1851..2031		

Seq. No.	45711	Seq. ID	OJ000251_15.0321.C19
Gene No.	96785	Strand	+
Start	3252	End	3834
Name	OJ000251_15.0321.C19.o1.tm	Method	TBLASTX:Maize
Start	1	End	2143
GI	none	Score	276
Exons	1..309, 1..504, 2..499, 379..501, 1806..1976, 1828..2028, 1848..2024, 1850..2029, 2014..2106, 2027..2143, 2028..2108		

Seq. No.	45711	Seq. ID	OJ000251_15.0321.C19
Gene No.	96785	Strand	+
Start	3252	End	3834
Name	OJ000251_15.0321.C19.o1.tc	Method	TBLASTX:Cress
Start	107	End	1923
GI	none	Score	103
Exons	107..232, 148..216, 214..363, 215..364, 367..501, 368..499, 1806..1922, 1852..1923		

Seq. No.	45711	Seq. ID	OJ000251_15.0321.C19
Gene No.	96785	Strand	+
Start	3252	End	3834
Name	OJ000251_15.0321.C19.o1.ts	Method	TBLASTX:Soybean
Start	137	End	1926
GI	none	Score	284
Exons	137..358, 139..357, 367..501, 368..493, 1788..1925, 1849..1926		

Seq. No.	45711	Seq. ID	OJ000251_15.0321.C19
Gene No.	96785	Strand	+
Start	3252	End	3834
Name	OJ000251_15.0321.C19.o1.tw	Method	TBLASTX:Wheat
Start	232	End	372
GI	none	Score	232
Exons	232..372, 233..370		

Seq. No.	45711	Seq. ID	OJ000251_15.0321.C19
Gene No.	96785	Strand	+
Start	3252	End	3834
Name	OJ000251_15.0321.C19.o2.gs	Method	GENSCAN

Start	3252	End	3834
GI	none	Score	.9
Exons	3252..3391, 3609..3834		

Seq. No.	45711	Seq. ID	OJ000251_15.0321.C19
Gene No.	96785	Strand	+
Start	3252	End	3834
Name	OJ000251_15.0321.C19.o2.gp	Method	AAT/GAP
Start	3502	End	3822
GI	5002908	Score	455
Exons	3502..3576, 3652..3822		

Seq. No.	45712	Seq. ID	OJ000251_15.0321.C20
Gene No.	96786	Strand	+
Start	325	End	1574
Name	OJ000251_15.0321.C20.o1.np	Method	AAT/NAP
Start	325	End	1574
GI	7487524	Score	90
Exons	325..396, 1261..1326, 1467..1574		
GI Descrip.	hypothetical protein T29F13.4 - Arabidopsis thaliana gi|3132470|gb|AAC16259.1| (AC003096) unknown protein [Arabidopsis thaliana]		

Seq. No.	45712	Seq. ID	OJ000251_15.0321.C20
Gene No.	96786	Strand	+
Start	325	End	1574
Name	OJ000251_15.0321.C20.o1.gp	Method	AAT/GAP
Start	1008	End	1351
GI	none	Score	608
Exons	1008..1351		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96787	Strand	+
Start	1	End	1032
Name	OJ000251_15.0321.C21.o1.gp	Method	AAT/GAP
Start	1	End	1032
GI	16819_1.R1084	Score	1534
Exons	1..35, 253..1032		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96787	Strand	+
Start	1	End	1032
Name	OJ000251_15.0321.C21.o1.np	Method	AAT/NAP
Start	1	End	541
GI	7487524	Score	157
Exons	1..35, 253..336, 370..541		
GI Descrip.	hypothetical protein T29F13.4 - Arabidopsis thaliana gi|3132470|gb|AAC16259.1| (AC003096) unknown protein [Arabidopsis thaliana]		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96787	Strand	+
Start	1	End	1032
Name	OJ000251_15.0321.C21.o1.gs	Method	GENSCAN

Start	253	End	541
GI	none	Score	.99
Exons	253..541		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96788	Strand	+
Start	3183	End	3470
Name	OJ000251_15.0321.C21.o2.gp	Method	AAT/GAP
Start	3183	End	3470
GI	5816559	Score	458
Exons	3183..3470		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96789	Strand	+
Start	3937	End	7507
Name	OJ000251_15.0321.C21.o3.gs	Method	GENSCAN
Start	3937	End	7507
GI	none	Score	.74
Exons	3937..3939, 4508..5431, 5518..5821, 5855..6143, 6325..6557, 6696..6809, 6882..6986, 7059..7507		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96789	Strand	+
Start	3937	End	7507
Name	OJ000251_15.0321.C21.o3.np	Method	AAT/NAP
Start	4547	End	7504
GI	6691716	Score	2350
Exons	4547..5417, 5615..5807, 5889..6009, 6120..6282, 6357..6544, 6620..6723, 6874..6986, 7059..7504		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96790	Strand	+
Start	14041	End	14328
Name	OJ000251_15.0321.C21.o3.gp	Method	AAT/GAP
Start	14041	End	14328
GI	5816559	Score	458
Exons	14041..14328		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96791	Strand	+
Start	23763	End	28382
Name	OJ000251_15.0321.C21.o7.np	Method	AAT/NAP
Start	23763	End	25171
GI	6907088	Score	1216
Exons	23763..23897, 24050..24291, 24785..25171		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21

Gene No.	96791	Strand	+
Start	23763	End	28382
Name	OJ000251_15.0321.C21.o8.np	Method	AAT/NAP
Start	24802	End	26598
GI	6983857	Score	1349
Exons	24802..24919, 24983..25543, 25713..26598		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96791	Strand	+
Start	23763	End	28382
Name	OJ000251_15.0321.C21.o9.gs	Method	GENSCAN
Start	26164	End	28382
GI	none	Score	.83
Exons	26164..26253, 26759..26809, 27195..27300, 28131..28382		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96792	Strand	-
Start	1739	End	2883
Name	OJ000251_15.0321.C21.o2.gs	Method	GENSCAN
Start	1739	End	2883
GI	none	Score	.75
Exons	1739..1760, 1930..2206, 2739..2883		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96792	Strand	-
Start	1739	End	2883
Name	OJ000251_15.0321.C21.o2.np	Method	AAT/NAP
Start	1929	End	2880
GI	7269939	Score	305
Exons	1929..2200, 2781..2880		
GI Descrip.	(AL161577) blight-associated protein homolog [Arabidopsis thaliana]		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96793	Strand	-
Start	7824	End	13913
Name	OJ000251_15.0321.C21.o4.gs	Method	GENSCAN
Start	7824	End	13913
GI	none	Score	.91
Exons	7824..10905, 11002..13913		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96793	Strand	-
Start	7824	End	13913
Name	OJ000251_15.0321.C21.o4.np	Method	AAT/NAP
Start	7860	End	13913
GI	5922631	Score	6667
Exons	7860..10387, 10994..11917, 12044..12195, 12238..12809, 12855..13057, 13292..13530, 13789..13913		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96794	Strand	-
Start	14979	End	16118
Name	OJ000251_15.0321.C21.o5.gs	Method	GENSCAN
Start	14979	End	16118
GI	none	Score	.75
Exons	14979..15168, 15614..15697, 15781..15883, 16016..16118		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96794	Strand	-
Start	14979	End	16118
Name	OJ000251_15.0321.C21.o5.np	Method	AAT/NAP
Start	15613	End	16115
GI	7269939	Score	285
Exons	15613..15877, 16016..16115		
GI Descrip.	(AL161577) blight-associated protein homolog [Arabidopsis thaliana]		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96795	Strand	-
Start	17653	End	18889
Name	OJ000251_15.0321.C21.o6.gs	Method	GENSCAN
Start	17653	End	18889
GI	none	Score	.78
Exons	17653..18027, 18137..18889		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96795	Strand	-
Start	17653	End	18889
Name	OJ000251_15.0321.C21.o6.np	Method	AAT/NAP
Start	17763	End	18823
GI	7363269	Score	863
Exons	17763..18823		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96796	Strand	-
Start	19774	End	22797
Name	OJ000251_15.0321.C21.o7.gs	Method	GENSCAN
Start	19774	End	22797
GI	none	Score	.75
Exons	19774..20087, 20545..20575, 20708..20875, 20877..21000, 21442..21841, 22659..22797		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o5.tm	Method	TBLASTX:Maize
Start	1	End	541
GI	none	Score	66
Exons	1..36, 240..320, 251..331, 293..490, 315..494, 344..505, 499..540, 500..541		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409

Name	OJ000251_15.0321.C21.o9.tw	Method	TBLASTX:Wheat
Start	326	End	565
GI	none	Score	136
Exons	326..412, 336..404, 341..412, 398..565, 404..520		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o4.tm	Method	TBLASTX:Maize
Start	1951	End	16070
GI	none	Score	134
Exons	1951..2064, 1953..2063, 1993..2064, 2058..2204, 2059..2205, 2767..2880, 15635..15706, 15637..15753, 15704..15742, 15733..15768, 15748..15804, 15774..15884, 15774..15881, 15862..15885, 16020..16070		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o10.tw	Method	TBLASTX:Wheat
Start	4667	End	4957
GI	none	Score	217
Exons	4667..4957		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o5.tw	Method	TBLASTX:Wheat
Start	7836	End	8450
GI	none	Score	80
Exons	7836..7973, 7959..8117, 8172..8450, 8188..8289, 8341..8430		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o6.tm	Method	TBLASTX:Maize
Start	7875	End	8108
GI	none	Score	100
Exons	7875..7976, 7876..7977, 7956..8108, 7957..8010		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o8.tm	Method	TBLASTX:Maize
Start	8220	End	8493
GI	none	Score	56
Exons	8220..8306, 8316..8399, 8329..8403, 8386..8493, 8394..8492		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o3.tw	Method	TBLASTX:Wheat
Start	8565	End	8952
GI	none	Score	105
Exons	8565..8750, 8565..8951, 8641..8952		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21

Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o1.tm	Method	TBLASTX:Maize
Start	8595	End	8957
GI	none	Score	67
Exons	8595..8642, 8596..8643, 8614..8937, 8634..8957, 8647..8937		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o11.tw	Method	TBLASTX:Wheat
Start	8955	End	9254
GI	none	Score	137
Exons	8955..9095, 9120..9254		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o7.tm	Method	TBLASTX:Maize
Start	9186	End	9440
GI	none	Score	193
Exons	9186..9440		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o4.tw	Method	TBLASTX:Wheat
Start	9270	End	9692
GI	none	Score	281
Exons	9270..9692, 9280..9684		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o2.ts	Method	TBLASTX:Soybean
Start	9313	End	9701
GI	none	Score	160
Exons	9313..9693, 9315..9701		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o8.tw	Method	TBLASTX:Wheat
Start	9696	End	9978
GI	none	Score	70
Exons	9696..9977, 9708..9842, 9901..9978		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o2.tm	Method	TBLASTX:Maize
Start	9816	End	10260
GI	none	Score	89
Exons	9816..9842, 9840..9983, 9853..9984, 9999..10235, 10005..10259, 10006..10260		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21

Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o1.ts	Method	TBLASTX:Soybean
Start	9927	End	10328
GI	none	Score	49
Exons	9927..10328, 9961..10131, 10168..10311		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o2.tw	Method	TBLASTX:Wheat
Start	9982	End	10406
GI	none	Score	294
Exons	9982..10362, 9987..10406		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o3.tm	Method	TBLASTX:Maize
Start	10491	End	10847
GI	none	Score	201
Exons	10491..10847, 10501..10806		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o1.tw	Method	TBLASTX:Wheat
Start	10521	End	10977
GI	none	Score	263
Exons	10521..10976, 10522..10977		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o3.ts	Method	TBLASTX:Soybean
Start	10572	End	10937
GI	none	Score	138
Exons	10572..10706, 10713..10937		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o6.tw	Method	TBLASTX:Wheat
Start	11199	End	28099
GI	none	Score	146
Exons	11199..11429, 11203..11433, 11478..11654, 28007..28099		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-
Start	28097	End	28409
Name	OJ000251_15.0321.C21.o7.tw	Method	TBLASTX:Wheat
Start	12231	End	12633
GI	none	Score	117
Exons	12231..12632, 12364..12633		

Seq. No.	45713	Seq. ID	OJ000251_15.0321.C21
Gene No.	96797	Strand	-

Start	28097	End	28409
Name	OJ000251_15.0321.C21.o9.np	Method	AAT/NAP
Start	28097	End	28409
GI	6957727	Score	113
Exons	28097..28409		
GI Descrip.	(AC021640) unknown protein [Arabidopsis thaliana]		

Seq. No.	45714	Seq. ID	OJ000251_15.0321.C22
Gene No.	96798	Strand	+
Start	4500	End	11170
Name	OJ000251_15.0321.C22.o2.gs	Method	GENSCAN
Start	4500	End	11170
GI	none	Score	.43
Exons	4500..4642, 4797..4925, 4969..5152, 5432..5644, 6088..6176, 6344..6410, 6988..7045, 7072..7203, 7539..7805, 8426..8557, 9122..9249, 10216..10418, 10849..10888, 10978..11170		

Seq. No.	45714	Seq. ID	OJ000251_15.0321.C22
Gene No.	96799	Strand	-
Start	161	End	3716
Name	OJ000251_15.0321.C22.o1.gs	Method	GENSCAN
Start	161	End	3716
GI	none	Score	.78
Exons	161..291, 1827..1965, 3401..3553, 3639..3716		

Seq. No.	45715	Seq. ID	OJ000251_15.0321.C23
Gene No.	96800	Strand	+
Start	122	End	720
Name	OJ000251_15.0321.C23.o1.gs	Method	GENSCAN
Start	122	End	720
GI	none	Score	.83
Exons	122..720		

Seq. No.	45715	Seq. ID	OJ000251_15.0321.C23
Gene No.	96801	Strand	-
Start	1102	End	1725
Name	OJ000251_15.0321.C23.o2.gs	Method	GENSCAN
Start	1102	End	1725
GI	none	Score	.96
Exons	1102..1398, 1555..1725		

Seq. No.	45715	Seq. ID	OJ000251_15.0321.C23
Gene No.	96802	Strand	-
Start	3970	End	7193
Name	OJ000251_15.0321.C23.o4.gs	Method	GENSCAN
Start	3970	End	7004
GI	none	Score	.74
Exons	3970..4323, 6646..6799, 6879..7004		

Seq. No.	45715	Seq. ID	OJ000251_15.0321.C23
Gene No.	96802	Strand	-
Start	3970	End	7193
Name	OJ000251_15.0321.C23.o1.np	Method	AAT/NAP
Start	4018	End	7193
GI	7488192	Score	361
Exons	4018..4323, 6646..6799, 6879..7193		
GI Descrip.	probable serine/threonine-specific protein kinase (EC 2.7.1.-)		

F21P8.20 - Arabidopsis thaliana gi|3021265|emb|CAA18460.1| (AL022347) protein kinase-like protein [Arabidopsis thaliana] gi|3292839|emb|CAA19829.1| (AL031018) protein kinase-like protein [Arabidopsis thaliana] gi|7269160|emb|CAB79268.1| (AL161558) protein kinase-like protein [Arabidopsis thaliana]

Seq. No.	45715	Seq. ID	OJ000251_15.0321.C23
Gene No.	96802	Strand	-
Start	3970	End	7193
Name	OJ000251_15.0321.C23.o1.tc	Method	TBLASTX:Cress
Start	4138	End	7027
GI	none	Score	83
Exons	4138..4323, 6679..6795, 6695..6787, 6881..7027, 6882..7004, 6941..7009		

Seq. No.	45715	Seq. ID	OJ000251_15.0321.C23
Gene No.	96802	Strand	-
Start	3970	End	7193
Name	OJ000251_15.0321.C23.o1.ts	Method	TBLASTX:Soybean
Start	4138	End	7027
GI	none	Score	114
Exons	4138..4323, 6667..6798, 6695..6799, 6881..7027		

Seq. No.	45715	Seq. ID	OJ000251_15.0321.C23
Gene No.	96802	Strand	-
Start	3970	End	7193
Name	OJ000251_15.0321.C23.o1.tm	Method	TBLASTX:Maize
Start	4153	End	7027
GI	none	Score	90
Exons	4153..4323, 4157..4324, 6691..6798, 6692..6799, 6869..7027, 6876..7004		

Seq. No.	45715	Seq. ID	OJ000251_15.0321.C23
Gene No.	96802	Strand	-
Start	3970	End	7193
Name	OJ000251_15.0321.C23.o1.tw	Method	TBLASTX:Wheat
Start	6664	End	7027
GI	none	Score	84
Exons	6664..6798, 6695..6799, 6881..7027, 6882..7025		

Seq. No.	45716	Seq. ID	OJ000251_15.0321.C24
Gene No.	96803	Strand	+
Start	1	End	1139
Name	OJ000251_15.0321.C24.o1.np	Method	AAT/NAP
Start	1	End	1139
GI	6907087	Score	772
Exons	1..196, 243..910, 1041..1139		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	45716	Seq. ID	OJ000251_15.0321.C24
Gene No.	96804	Strand	-
Start	8	End	1191
Name	OJ000251_15.0321.C24.o1.gs	Method	GENSCAN
Start	8	End	1191
GI	none	Score	.5

Exons	8..219, 289..942, 963..1191		
Seq. No.	45717	Seq. ID	OJ000251_15.0321.C25
Gene No.	96805	Strand	-
Start	461	End	935
Name	OJ000251_15.0321.C25.o1.tc	Method	TBLASTX:Cress
Start	397	End	747
GI	none	Score	48
Exons	397..456, 404..451, 420..491, 518..655, 650..742, 670..747	422..487, 492..632, 494..631,	
Seq. No.	45717	Seq. ID	OJ000251_15.0321.C25
Gene No.	96805	Strand	-
Start	461	End	935
Name	OJ000251_15.0321.C25.o1.np	Method	AAT/NAP
Start	422	End	935
GI	6277254	Score	299
Exons	422..749, 879..935		
GI Descrip.	(AB034249) geranylgeranyl pyrophosphate synthase [Croton sublyratus]		
Seq. No.	45717	Seq. ID	OJ000251_15.0321.C25
Gene No.	96805	Strand	-
Start	461	End	935
Name	OJ000251_15.0321.C25.o1.ts	Method	TBLASTX:Soybean
Start	422	End	747
GI	none	Score	45
Exons	422..502, 423..491, 469..603, 650..742, 670..747	494..631, 495..632, 518..655,	
Seq. No.	45717	Seq. ID	OJ000251_15.0321.C25
Gene No.	96805	Strand	-
Start	461	End	935
Name	OJ000251_15.0321.C25.o1.tm	Method	TBLASTX:Maize
Start	422	End	747
GI	none	Score	44
Exons	422..484, 426..476, 466..603, 509..655, 650..742, 670..747	489..632, 494..631, 504..635,	
Seq. No.	45717	Seq. ID	OJ000251_15.0321.C25
Gene No.	96805	Strand	-
Start	461	End	935
Name	OJ000251_15.0321.C25.o1.gs	Method	GENSCAN
Start	461	End	664
GI	none	Score	.58
Exons	461..664		
Seq. No.	45717	Seq. ID	OJ000251_15.0321.C25
Gene No.	96805	Strand	-
Start	461	End	935
Name	OJ000251_15.0321.C25.o1.gp	Method	AAT/GAP
Start	478	End	746
GI	LIB3432-039-P1-K1-F12	Score	427
Exons	478..746		
GI Descrip.	'3885426 3.0e-48 (AF020041) geranylgeranyl pyrophosphate synthase [Helianthus annuus]'		

Seq. No.	45718	Seq. ID	OJ000251_15.0321.C28
Gene No.	96806	Strand	+
Start	86	End	149
Name	OJ000251_15.0321.C28.o1.gp	Method	AAT/GAP
Start	86	End	149
GI	23880_4.R1084	Score	65
Exons	86..149		
GI Descrip.	'5777619/emb|CAB53480.1| 4.0e-17 (AJ245900) CAA30377.1 protein [Oryza sativa]'		

Seq. No.	45718	Seq. ID	OJ000251_15.0321.C28
Gene No.	96807	Strand	+
Start	322	End	411
Name	OJ000251_15.0321.C28.o1.gs	Method	GENSCAN
Start	322	End	411
GI	none	Score	1
Exons	322..411		

Seq. No.	45719	Seq. ID	OJ000251_15.0321.C29
Gene No.	96808	Strand	+
Start	1699	End	2154
Name	OJ000251_15.0321.C29.o1.gs	Method	GENSCAN
Start	1699	End	2154
GI	none	Score	.44
Exons	1699..1779, 1912..2154		

Seq. No.	45720	Seq. ID	OJ000251_15.0321.C30
Gene No.	96809	Strand	+
Start	70	End	859
Name	OJ000251_15.0321.C30.o1.gs	Method	GENSCAN
Start	70	End	859
GI	none	Score	.9
Exons	70..197, 250..373, 737..859		

Seq. No.	45720	Seq. ID	OJ000251_15.0321.C30
Gene No.	96810	Strand	+
Start	1621	End	2126
Name	OJ000251_15.0321.C30.o2.gs	Method	GENSCAN
Start	1621	End	2126
GI	none	Score	.85
Exons	1621..1699, 1912..2126		

Seq. No.	45720	Seq. ID	OJ000251_15.0321.C30
Gene No.	96811	Strand	-
Start	1	End	2829
Name	OJ000251_15.0321.C30.o1.np	Method	AAT/NAP
Start	1	End	2829
GI	5042463	Score	138
Exons	1..42, 675..758, 810..947, 1611..1819, 2754..2829		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	45721	Seq. ID	OJ000251_15.0321.C31
Gene No.	96812	Strand	+
Start	1	End	1331
Name	OJ000251_15.0321.C31.o1.np	Method	AAT/NAP
Start	1	End	1331
GI	7340909	Score	171

Exons	1..30, 416..592, 686..843, 1168..1331		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		
Seq. No.	45721	Seq. ID	OJ000251_15.0321.C31
Gene No.	96813	Strand	-
Start	703	End	1326
Name	OJ000251_15.0321.C31.o1.gs	Method	GENSCAN
Start	703	End	1326
GI	none	Score	.95
Exons	703..1326		
Seq. No.	45722	Seq. ID	OJ000251_15.0321.C32
Gene No.	96814	Strand	-
Start	40	End	609
Name	OJ000251_15.0321.C32.o1.gs	Method	GENSCAN
Start	40	End	609
GI	none	Score	.83
Exons	40..183, 466..609		
Seq. No.	45722	Seq. ID	OJ000251_15.0321.C32
Gene No.	96815	Strand	-
Start	1197	End	1750
Name	OJ000251_15.0321.C32.o2.gs	Method	GENSCAN
Start	1197	End	1750
GI	none	Score	.65
Exons	1197..1365, 1656..1750		
Seq. No.	45723	Seq. ID	OJ000251_15.0321.C33
Gene No.	96816	Strand	+
Start	7444	End	11833
Name	OJ000251_15.0321.C33.o2.gs	Method	GENSCAN
Start	7444	End	9875
GI	none	Score	.59
Exons	7444..7455, 8022..8983, 9056..9241, 9446..9875		
Seq. No.	45723	Seq. ID	OJ000251_15.0321.C33
Gene No.	96816	Strand	+
Start	7444	End	11833
Name	OJ000251_15.0321.C33.o1.np	Method	AAT/NAP
Start	8408	End	11833
GI	6063554	Score	279
Exons	8408..8439, 10242..10513, 10592..10870, 11659..11833		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	45723	Seq. ID	OJ000251_15.0321.C33
Gene No.	96817	Strand	-
Start	562	End	5806
Name	OJ000251_15.0321.C33.o1.gs	Method	GENSCAN
Start	562	End	5806
GI	none	Score	.61
Exons	562..711, 925..1053, 1166..1441, 1536..1689, 1754..1878, 1923..2121, 2159..2715, 2798..2832, 2871..2942, 3924..4076, 4221..4404, 4684..4966, 5706..5806		
Seq. No.	45723	Seq. ID	OJ000251_15.0321.C33

Gene No.	96817	Strand	-
Start	562	End	5806
Name	OJ000251_15.0321.C33.o1.tw	Method	TBLASTX:Wheat
Start	4225	End	4715
GI	none	Score	99
Exons	4225..4314, 4288..4503, 4599..4715		

Seq. No.	45723	Seq. ID	OJ000251_15.0321.C33
Gene No.	96818	Strand	
Start	8073	End	8456
Name	OJ000251_15.0321.C33.o1.tm	Method	TBLASTX:Maize
Start	8073	End	8456
GI	none	Score	65
Exons	8073..8144, 8181..8456, 8192..8302, 8375..8437		

Seq. No.	45724	Seq. ID	OJ000251_15.0321.C34
Gene No.	96819	Strand	+
Start	1	End	1778
Name	OJ000251_15.0321.C34.o1.np	Method	AAT/NAP
Start	1	End	1778
GI	4680183	Score	271
Exons	1..117, 555..1069, 1705..1778		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	45724	Seq. ID	OJ000251_15.0321.C34
Gene No.	96819	Strand	+
Start	1	End	1778
Name	OJ000251_15.0321.C34.o1.gs	Method	GENSCAN
Start	245	End	1128
GI	none	Score	.82
Exons	245..511, 589..1128		

Seq. No.	45724	Seq. ID	OJ000251_15.0321.C34
Gene No.	96819	Strand	+
Start	1	End	1778
Name	OJ000251_15.0321.C34.o1.tw	Method	TBLASTX:Wheat
Start	613	End	957
GI	none	Score	181
Exons	613..957, 711..887		

Seq. No.	45725	Seq. ID	OJ000251_15.0321.C35
Gene No.	96820	Strand	+
Start	1	End	298
Name	OJ000251_15.0321.C35.o1.np	Method	AAT/NAP
Start	1	End	298
GI	6907087	Score	128
Exons	1..71, 197..298		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	45725	Seq. ID	OJ000251_15.0321.C35
Gene No.	96821	Strand	+
Start	765	End	2134
Name	OJ000251_15.0321.C35.o1.gp	Method	AAT/GAP
Start	765	End	1146
GI	uC-osflcyp033a04b1	Score	675

Exons	765..1146		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	45725	Seq. ID	OJ000251_15.0321.C35
Gene No.	96821	Strand	+
Start	765	End	2134
Name	OJ000251_15.0321.C35.o1.gs	Method	GENSCAN
Start	943	End	2134
GI	none	Score	.42
Exons	943..1014, 1958..2134		
Seq. No.	45725	Seq. ID	OJ000251_15.0321.C35
Gene No.	96822	Strand	-
Start	1	End	2189
Name	OJ000251_15.0321.C35.o3.np	Method	AAT/NAP
Start	1	End	2189
GI	5852180	Score	40
Exons	1..20, 995..1052, 2141..2189		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	45725	Seq. ID	OJ000251_15.0321.C35
Gene No.	96822	Strand	-
Start	1	End	2189
Name	OJ000251_15.0321.C35.o2.np	Method	AAT/NAP
Start	694	End	2189
GI	4680186	Score	237
Exons	694..898, 2165..2189		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	45726	Seq. ID	OJ000251_15.0321.C36
Gene No.	96823	Strand	+
Start	1	End	7215
Name	OJ000251_15.0321.C36.o1.np	Method	AAT/NAP
Start	1	End	7215
GI	7489805	Score	2966
Exons	1..3274, 6658..7215		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		
Seq. No.	45726	Seq. ID	OJ000251_15.0321.C36
Gene No.	96823	Strand	+
Start	1	End	7215
Name	OJ000251_15.0321.C36.o1.gp	Method	AAT/GAP
Start	3239	End	3533
GI	61605_3.R1084	Score	457
Exons	3239..3533		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	45726	Seq. ID	OJ000251_15.0321.C36
Gene No.	96824	Strand	-
Start	4063	End	4494
Name	OJ000251_15.0321.C36.o2.gp	Method	AAT/GAP
Start	4063	End	4494
GI	2428185	Score	761
Exons	4063..4494		

GI Descrip. 5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No.	45726	Seq. ID	OJ000251_15.0321.C36
Gene No.	96825	Strand	-
Start	5232	End	12118
Name	OJ000251_15.0321.C36.o5.tw	Method	TBLASTX:Wheat
Start	153	End	506
GI	none	Score	88
Exons	153..284, 291..506, 311..505		

Seq. No.	45726	Seq. ID	OJ000251_15.0321.C36
Gene No.	96825	Strand	-
Start	5232	End	12118
Name	OJ000251_15.0321.C36.o1.tw	Method	TBLASTX:Wheat
Start	713	End	1168
GI	none	Score	482
Exons	713..1168, 739..1167		

Seq. No.	45726	Seq. ID	OJ000251_15.0321.C36
Gene No.	96825	Strand	-
Start	5232	End	12118
Name	OJ000251_15.0321.C36.o1.tm	Method	TBLASTX:Maize
Start	841	End	1198
GI	none	Score	434
Exons	841..1197, 842..1198		

Seq. No.	45726	Seq. ID	OJ000251_15.0321.C36
Gene No.	96825	Strand	-
Start	5232	End	12118
Name	OJ000251_15.0321.C36.o3.tm	Method	TBLASTX:Maize
Start	1226	End	1610
GI	none	Score	209
Exons	1226..1432, 1339..1407, 1418..1597, 1422..1610		

Seq. No.	45726	Seq. ID	OJ000251_15.0321.C36
Gene No.	96825	Strand	-
Start	5232	End	12118
Name	OJ000251_15.0321.C36.o2.tw	Method	TBLASTX:Wheat
Start	1283	End	1703
GI	none	Score	150
Exons	1283..1435, 1339..1407, 1417..1536, 1418..1597, 1419..1601, 1422..1703		

Seq. No.	45726	Seq. ID	OJ000251_15.0321.C36
Gene No.	96825	Strand	-
Start	5232	End	12118
Name	OJ000251_15.0321.C36.o1.ts	Method	TBLASTX:Soybean
Start	1328	End	1793
GI	none	Score	79
Exons	1328..1435, 1422..1793		

Seq. No.	45726	Seq. ID	OJ000251_15.0321.C36
Gene No.	96825	Strand	-
Start	5232	End	12118
Name	OJ000251_15.0321.C36.o6.tw	Method	TBLASTX:Wheat
Start	1760	End	1979

GI	none	Score	183
Exons	1760..1975, 1773..1979		

Seq. No.	45726	Seq. ID	OJ000251_15.0321.C36
Gene No.	96825	Strand	-
Start	5232	End	12118
Name	OJ000251_15.0321.C36.o3.tw	Method	TBLASTX:Wheat
Start	1980	End	2410
GI	none	Score	94
Exons	1980..2063, 2066..2410, 2119..2409		

Seq. No.	45726	Seq. ID	OJ000251_15.0321.C36
Gene No.	96825	Strand	-
Start	5232	End	12118
Name	OJ000251_15.0321.C36.o4.tm	Method	TBLASTX:Maize
Start	2612	End	2878
GI	none	Score	225
Exons	2612..2878, 2737..2877		

Seq. No.	45726	Seq. ID	OJ000251_15.0321.C36
Gene No.	96825	Strand	-
Start	5232	End	12118
Name	OJ000251_15.0321.C36.o4.tw	Method	TBLASTX:Wheat
Start	2720	End	3109
GI	none	Score	243
Exons	2720..3109, 2764..2931, 2990..3100		

Seq. No.	45726	Seq. ID	OJ000251_15.0321.C36
Gene No.	96825	Strand	-
Start	5232	End	12118
Name	OJ000251_15.0321.C36.o2.tm	Method	TBLASTX:Maize
Start	2879	End	3241
GI	none	Score	364
Exons	2879..3241, 2971..3228, 3065..3229		

Seq. No.	45726	Seq. ID	OJ000251_15.0321.C36
Gene No.	96825	Strand	-
Start	5232	End	12118
Name	OJ000251_15.0321.C36.o2.ts	Method	TBLASTX:Soybean
Start	2882	End	3256
GI	none	Score	86
Exons	2882..3025, 3032..3256		

Seq. No.	45726	Seq. ID	OJ000251_15.0321.C36
Gene No.	96825	Strand	-
Start	5232	End	12118
Name	OJ000251_15.0321.C36.o2.gs	Method	GENSCAN
Start	5232	End	12118
GI	none	Score	.81
Exons	5232..5331, 5387..5590, 6881..6997, 7590..7634, 7845..7939, 8189..8278, 8609..8927, 8959..9392, 9590..10323, 10565..10640, 10713..10988, 11075..11422, 11845..11955, 12005..12118		

Seq. No.	45726	Seq. ID	OJ000251_15.0321.C36
Gene No.	96825	Strand	-
Start	5232	End	12118
Name	OJ000251_15.0321.C36.o5.tm	Method	TBLASTX:Maize

Start	6658	End	6897
GI	none	Score	193
Exons	6658..6897		

Seq. No.	45727	Seq. ID	OJ000251_15.0321.C37
Gene No.	96826	Strand	+
Start	67	End	926
Name	OJ000251_15.0321.C37.o1.ts	Method	TBLASTX:Soybean
Start	4	End	288
GI	none	Score	115
Exons	4..114, 6..113, 103..288, 123..260		

Seq. No.	45727	Seq. ID	OJ000251_15.0321.C37
Gene No.	96826	Strand	+
Start	67	End	926
Name	OJ000251_15.0321.C37.o2.tw	Method	TBLASTX:Wheat
Start	4	End	462
GI	none	Score	229
Exons	4..273, 6..260, 58..270, 370..462		

Seq. No.	45727	Seq. ID	OJ000251_15.0321.C37
Gene No.	96826	Strand	+
Start	67	End	926
Name	OJ000251_15.0321.C37.o1.gs	Method	GENSCAN
Start	67	End	794
GI	none	Score	.44
Exons	67..286, 736..794		

Seq. No.	45727	Seq. ID	OJ000251_15.0321.C37
Gene No.	96826	Strand	+
Start	67	End	926
Name	OJ000251_15.0321.C37.o2.tm	Method	TBLASTX:Maize
Start	82	End	318
GI	none	Score	247
Exons	82..318, 96..317		

Seq. No.	45727	Seq. ID	OJ000251_15.0321.C37
Gene No.	96826	Strand	+
Start	67	End	926
Name	OJ000251_15.0321.C37.o1.tm	Method	TBLASTX:Maize
Start	360	End	831
GI	none	Score	307
Exons	360..713, 361..732, 736..831, 739..831		

Seq. No.	45727	Seq. ID	OJ000251_15.0321.C37
Gene No.	96826	Strand	+
Start	67	End	926
Name	OJ000251_15.0321.C37.o1.tw	Method	TBLASTX:Wheat
Start	562	End	926
GI	none	Score	322
Exons	562..924, 640..924, 822..926		

Seq. No.	45728	Seq. ID	OJ000251_15.0321.C38
Gene No.	96827	Strand	-
Start	1	End	2867
Name	OJ000251_15.0321.C38.o1.np	Method	AAT/NAP
Start	1	End	2867

GI	2231175	Score	793
Exons	1..159, 375..536, 610..813, 950..1090, 1170..1244, 1434..1548, 1960..2185, 2552..2639, 2759..2867		
GI Descrip.	(U44050) mis5p [Xenopus laevis]		

Seq. No.	45728	Seq. ID	OJ000251_15.0321.C38
Gene No.	96827	Strand	-
Start	1	End	2867
Name	OJ000251_15.0321.C38.o1.gs	Method	GENSCAN
Start	375	End	2660
GI	none	Score	.99
Exons	375..536, 610..813, 950..1090, 1170..1244, 1434..1548, 1960..2189, 2583..2660		

Seq. No.	45728	Seq. ID	OJ000251_15.0321.C38
Gene No.	96827	Strand	-
Start	1	End	2867
Name	OJ000251_15.0321.C38.o1.tc	Method	TBLASTX:Cress
Start	685	End	2150
GI	none	Score	101
Exons	685..837, 959..1090, 960..1121, 1161..1250, 1434..1568, 1435..1554, 1957..2103, 1959..2150		

Seq. No.	45728	Seq. ID	OJ000251_15.0321.C38
Gene No.	96827	Strand	-
Start	1	End	2867
Name	OJ000251_15.0321.C38.o1.tw	Method	TBLASTX:Wheat
Start	694	End	1250
GI	none	Score	99
Exons	694..810, 949..1089, 959..1090, 962..1090, 969..1121, 1161..1250, 1182..1226		

Seq. No.	45728	Seq. ID	OJ000251_15.0321.C38
Gene No.	96827	Strand	-
Start	1	End	2867
Name	OJ000251_15.0321.C38.o2.ts	Method	TBLASTX:Soybean
Start	694	End	1509
GI	none	Score	103
Exons	694..816, 959..1090, 975..1121, 1161..1253, 1444..1509		

Seq. No.	45728	Seq. ID	OJ000251_15.0321.C38
Gene No.	96827	Strand	-
Start	1	End	2867
Name	OJ000251_15.0321.C38.o2.tm	Method	TBLASTX:Maize
Start	995	End	1575
GI	none	Score	142
Exons	995..1090, 996..1091, 1003..1092, 1051..1092, 1161..1244, 1165..1257, 1169..1231, 1216..1245, 1432..1479, 1435..1494, 1437..1481, 1482..1547, 1482..1571, 1483..1554, 1486..1575, 1496..1561		

Seq. No.	45728	Seq. ID	OJ000251_15.0321.C38
Gene No.	96827	Strand	-
Start	1	End	2867
Name	OJ000251_15.0321.C38.o1.ts	Method	TBLASTX:Soybean
Start	1512	End	2818
GI	none	Score	219

Exons	1512..1571, 1951..2163, 1951..2163, 1959..2171, 1980..2174, 2750..2818		
Seq. No.	45728	Seq. ID	OJ000251_15.0321.C38
Gene No.	96827	Strand	-
Start	1	End	2867
Name	OJ000251_15.0321.C38.o1.tm	Method	TBLASTX:Maize
Start	1940	End	2189
GI	none	Score	240
Exons	1940..2152, 1957..2172, 1959..2171, 1980..2189		
Seq. No.	45729	Seq. ID	OJ000251_15.0321.C39
Gene No.	96828	Strand	+
Start	49	End	841
Name	OJ000251_15.0321.C39.o1.gs	Method	GENSCAN
Start	49	End	841
GI	none	Score	.55
Exons	49..334, 354..430, 435..627, 652..841		
Seq. No.	45729	Seq. ID	OJ000251_15.0321.C39
Gene No.	96828	Strand	+
Start	49	End	841
Name	OJ000251_15.0321.C39.o1.tm	Method	TBLASTX:Maize
Start	559	End	810
GI	none	Score	77
Exons	559..612, 618..758, 619..702, 750..803, 760..810		
Seq. No.	45730	Seq. ID	OJ000251_15.0321.C42
Gene No.	96829	Strand	+
Start	429	End	729
Name	OJ000251_15.0321.C42.o1.np	Method	AAT/NAP
Start	429	End	729
GI	742559	Score	160
Exons	429..549, 629..729		
GI Descrip.	TOR2(DRR2) gene [Saccharomyces cerevisiae]		
Seq. No.	45730	Seq. ID	OJ000251_15.0321.C42
Gene No.	96829	Strand	+
Start	429	End	729
Name	OJ000251_15.0321.C42.o1.gp	Method	AAT/GAP
Start	433	End	729
GI	24572_1.R1084	Score	380
Exons	433..549, 629..729		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		
Seq. No.	45730	Seq. ID	OJ000251_15.0321.C42
Gene No.	96829	Strand	+
Start	429	End	729
Name	OJ000251_15.0321.C42.o1.tc	Method	TBLASTX:Cress
Start	433	End	729
GI	none	Score	170
Exons	433..567, 435..548, 626..682, 628..681, 684..728, 685..729		
Seq. No.	45730	Seq. ID	OJ000251_15.0321.C42
Gene No.	96829	Strand	+
Start	429	End	729

Name	OJ000251_15.0321.C42.o1.tm	Method	TBLASTX:Maize
Start	433	End	729
GI	none	Score	193
Exons	433..558, 435..545, 606..680, 683..727, 685..729	622..681,	626..682, 682..729,

Seq. No.	45730	Seq. ID	OJ000251_15.0321.C42
Gene No.	96829	Strand	+
Start	429	End	729
Name	OJ000251_15.0321.C42.o1.gs	Method	GENSCAN
Start	436	End	721
GI	none	Score	.7
Exons	436..549, 629..721		

Seq. No.	45730	Seq. ID	OJ000251_15.0321.C42
Gene No.	96829	Strand	+
Start	429	End	729
Name	OJ000251_15.0321.C42.o1.ts	Method	TBLASTX:Soybean
Start	481	End	729
GI	none	Score	95
Exons	481..558, 492..548, 626..682,	628..681,	684..728, 685..729

Seq. No.	45731	Seq. ID	OJ000251_15.0321.C44
Gene No.	96830	Strand	+
Start	1	End	721
Name	OJ000251_15.0321.C44.o1.np	Method	AAT/NAP
Start	1	End	721
GI	806955	Score	302
Exons	1..91, 175..258, 343..404, 482..721		
GI Descrip.	RAPT1=putative novel phosphatidylinositol 3-kinase {C-terminal} [human, Peptide Partial, 367 aa]		

Seq. No.	45731	Seq. ID	OJ000251_15.0321.C44
Gene No.	96830	Strand	+
Start	1	End	721
Name	OJ000251_15.0321.C44.o1.gp	Method	AAT/GAP
Start	1	End	258
GI	15164_1.R1084	Score	293
Exons	1..91, 175..258		
GI Descrip.	'4826730/ref|NP_004949.1|pFRAP1| 4.0e-56 FK506 binding protein 12-rapamycin associated protein 1 >gi_1169735_sp_P42345_FRAP_HUMAN FKBP-RAPAMYCIN ASSOCIATED PROTEIN (FRAP) (RAPAMYCIN TARGET PROTEIN) >gi_2135120_pir__S45340 FKBP-rapamycin-associated protein (FRAP) - human >gi_508482 (L34075) FKBP-rapamycin associated protein [Homo sapiens]'		

Seq. No.	45731	Seq. ID	OJ000251_15.0321.C44
Gene No.	96830	Strand	+
Start	1	End	721
Name	OJ000251_15.0321.C44.o1.gs	Method	GENSCAN
Start	11	End	554
GI	none	Score	.98
Exons	11..91, 175..258, 343..404, 482..554		

Seq. No.	45731	Seq. ID	OJ000251_15.0321.C44
Gene No.	96830	Strand	+

Start	1	End	721
Name	OJ000251_15.0321.C44.o1.tm	Method	TBLASTX:Maize
Start	25	End	606
GI	none	Score	110
Exons	25..99, 26..97, 42..110, 157..258, 163..255, 174..269, 174..260, 343..402, 343..402, 369..404, 472..555, 479..556, 480..557, 481..606		

Seq. No.	45731	Seq. ID	OJ000251_15.0321.C44
Gene No.	96830	Strand	+
Start	1	End	721
Name	OJ000251_15.0321.C44.o1.ts	Method	TBLASTX:Soybean
Start	328	End	556
GI	none	Score	86
Exons	328..402, 479..553, 480..554, 482..556		

Seq. No.	45732	Seq. ID	OJ000221_15.0320.C6
Gene No.	96831	Strand	+
Start	1	End	2199
Name	OJ000221_15.0320.C6.o1.np	Method	AAT/NAP
Start	1	End	1613
GI	6735324	Score	236
Exons	1..235, 1183..1309, 1468..1613		
GI Descrip.	(AL137081) putative protein [Arabidopsis thaliana]		

Seq. No.	45732	Seq. ID	OJ000221_15.0320.C6
Gene No.	96831	Strand	+
Start	1	End	2199
Name	OJ000221_15.0320.C6.o1.gs	Method	GENSCAN
Start	387	End	2199
GI	none	Score	.78
Exons	387..764, 1183..1309, 2054..2199		

Seq. No.	45732	Seq. ID	OJ000221_15.0320.C6
Gene No.	96832	Strand	-
Start	3789	End	7560
Name	OJ000221_15.0320.C6.o1.tm	Method	TBLASTX:Maize
Start	1177	End	1561
GI	none	Score	187
Exons	1177..1314, 1181..1312, 1185..1322, 1463..1525, 1464..1535, 1469..1561		

Seq. No.	45732	Seq. ID	OJ000221_15.0320.C6
Gene No.	96832	Strand	-
Start	3789	End	7560
Name	OJ000221_15.0320.C6.o2.gs	Method	GENSCAN
Start	3789	End	7560
GI	none	Score	.82
Exons	3789..4331, 5260..5339, 5483..5574, 7075..7134, 7139..7560		

Seq. No.	45733	Seq. ID	OJ000221_15.0320.C7
Gene No.	96833	Strand	-
Start	1641	End	2839
Name	OJ000221_15.0320.C7.o1.gp	Method	AAT/GAP
Start	1348	End	2839
GI	37717_1.R1084	Score	1185
Exons	1348..1786, 2402..2501, 2750..2839		

GI Descrip. '3212854 6.0e-11 (AC004005) unknown protein [Arabidopsis thaliana]'

Seq. No.	45733	Seq. ID	OJ000221_15.0320.C7
Gene No.	96833	Strand	-
Start	1641	End	2839
Name	OJ000221_15.0320.C7.o1.gs	Method	GENSCAN
Start	1641	End	2498
GI	none	Score	.76
Exons	1641..1786, 2402..2498		

Seq. No.	45734	Seq. ID	OJ000221_15.0320.C8
Gene No.	96834	Strand	+
Start	9482	End	13616
Name	OJ000221_15.0320.C8.o3.gp	Method	AAT/GAP
Start	9345	End	12302
GI	21784_1.R1084	Score	1101
Exons	9345..9584, 11806..11973, 12070..12302		

GI Descrip. '3128209 2.0e-23 (AC004077) unknown protein [Arabidopsis thaliana]'

Seq. No.	45734	Seq. ID	OJ000221_15.0320.C8
Gene No.	96834	Strand	+
Start	9482	End	13616
Name	OJ000221_15.0320.C8.o2.gs	Method	GENSCAN
Start	9482	End	13616
GI	none	Score	.69
Exons	9482..9584, 10018..10043, 10894..10972, 11806..11973, 12070..12405, 12534..13105, 13392..13616		

Seq. No.	45734	Seq. ID	OJ000221_15.0320.C8
Gene No.	96834	Strand	+
Start	9482	End	13616
Name	OJ000221_15.0320.C8.o1.np	Method	AAT/NAP
Start	11691	End	13105
GI	3128209	Score	1154
Exons	11691..11973, 12070..12413, 12542..13105		

GI Descrip. (AC004077) unknown protein [Arabidopsis thaliana]

Seq. No.	45734	Seq. ID	OJ000221_15.0320.C8
Gene No.	96834	Strand	+
Start	9482	End	13616
Name	OJ000221_15.0320.C8.o4.gp	Method	AAT/GAP
Start	12289	End	12815
GI	3090493	Score	705
Exons	12289..12405, 12534..12815		

GI Descrip. 3128209 7.0e-40 (AC004077) unknown protein [Arabidopsis thaliana]

Seq. No.	45734	Seq. ID	OJ000221_15.0320.C8
Gene No.	96835	Strand	+
Start	14649	End	15214
Name	OJ000221_15.0320.C8.o3.gs	Method	GENSCAN
Start	14649	End	15214
GI	none	Score	.92
Exons	14649..14710, 14917..15214		

Seq. No.	45734	Seq. ID	OJ000221_15.0320.C8
Gene No.	96836	Strand	+
Start	18960	End	19161
Name	OJ000221_15.0320.C8.o2.np	Method	AAT/NAP
Start	18960	End	19161
GI	7486309	Score	106
Exons	18960..19161		
GI Descrip.	hypothetical protein F28M11.120 - Arabidopsis thaliana gi|4538984|emb|CAB39772.1| (AL049487) putative protein [Arabidopsis thaliana] gi|7267716|emb|CAB78143.1| (AL161516) putative protein [Arabidopsis thaliana]		

Seq. No.	45734	Seq. ID	OJ000221_15.0320.C8
Gene No.	96837	Strand	-
Start	171	End	2537
Name	OJ000221_15.0320.C8.o1.gp	Method	AAT/GAP
Start	171	End	2537
GI	31400_1.R1084	Score	899
Exons	171..260, 369..448, 541..612, 750..844, 2228..2309, 2432..2537		
GI Descrip.	'3212854 1.0e-21 (AC004005) unknown protein [Arabidopsis thaliana]'		

Seq. No.	45734	Seq. ID	OJ000221_15.0320.C8
Gene No.	96838	Strand	-
Start	2544	End	2820
Name	OJ000221_15.0320.C8.o2.gp	Method	AAT/GAP
Start	2544	End	2820
GI	none	Score	534
Exons	2544..2820		

Seq. No.	45734	Seq. ID	OJ000221_15.0320.C8
Gene No.	96839	Strand	-
Start	12760	End	13413
Name	OJ000221_15.0320.C8.o5.gp	Method	AAT/GAP
Start	12760	End	13413
GI	40485_1.R1084	Score	1189
Exons	12760..13413		
GI Descrip.	'3128209 2.0e-11 (AC004077) unknown protein [Arabidopsis thaliana]'		

Seq. No.	45734	Seq. ID	OJ000221_15.0320.C8
Gene No.	96840	Strand	-
Start	17460	End	17541
Name	OJ000221_15.0320.C8.o1.tm	Method	TBLASTX:Maize
Start	11804	End	13216
GI	none	Score	288
Exons	11804..11974, 11805..11975, 11810..11980, 12047..12415, 12051..12419, 12528..13073, 12528..12620, 12532..13125, 12533..13126, 12533..13141, 13186..13212, 13186..13212, 13187..13216, 13187..13213		

Seq. No.	45734	Seq. ID	OJ000221_15.0320.C8
Gene No.	96840	Strand	-
Start	17460	End	17541
Name	OJ000221_15.0320.C8.o2.tc	Method	TBLASTX:Cress
Start	11805	End	12205
GI	none	Score	52

Exons	11805..11870, 11883..11975, 12051..12203, 12068..12205		
Seq. No.	45734	Seq. ID	OJ000221_15.0320.C8
Gene No.	96840	Strand	-
Start	17460	End	17541
Name	OJ000221_15.0320.C8.o1.ts	Method	TBLASTX:Soybean
Start	12096	End	13042
GI	none	Score	127
Exons	12096..12206, 12122..12202, 12212..12415, 12213..12419, 12529..13041, 12533..13042, 12542..13042		
Seq. No.	45734	Seq. ID	OJ000221_15.0320.C8
Gene No.	96840	Strand	-
Start	17460	End	17541
Name	OJ000221_15.0320.C8.o1.tw	Method	TBLASTX:Wheat
Start	12168	End	12631
GI	none	Score	49
Exons	12168..12200, 12203..12403, 12207..12404, 12215..12406, 12536..12571, 12578..12631		
Seq. No.	45734	Seq. ID	OJ000221_15.0320.C8
Gene No.	96840	Strand	-
Start	17460	End	17541
Name	OJ000221_15.0320.C8.o1.tc	Method	TBLASTX:Cress
Start	12225	End	13027
GI	none	Score	164
Exons	12225..12374, 12231..12392, 12233..12391, 12539..13027, 12547..12861, 12925..13026		
Seq. No.	45734	Seq. ID	OJ000221_15.0320.C8
Gene No.	96840	Strand	-
Start	17460	End	17541
Name	OJ000221_15.0320.C8.o6.gp	Method	AAT/GAP
Start	17460	End	17541
GI	LIB3477-003-P1-K1-E9	Score	116
Exons	17460..17541		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	45735	Seq. ID	OJ000221_15.0320.C9
Gene No.	96841	Strand	+
Start	180	End	4924
Name	OJ000221_15.0320.C9.o1.gs	Method	GENSCAN
Start	180	End	3073
GI	none	Score	.92
Exons	180..224, 721..843, 908..957, 1068..1283, 1392..1547, 1652..1709, 1824..2141, 2232..2471, 2551..2649, 2735..2767, 2876..3073		
Seq. No.	45735	Seq. ID	OJ000221_15.0320.C9
Gene No.	96841	Strand	+
Start	180	End	4924
Name	OJ000221_15.0320.C9.o1.np	Method	AAT/NAP
Start	779	End	4924
GI	2129627	Score	1438
Exons	779..957, 1068..1283, 1392..1547, 1652..1709, 1824..2141,		

	2232..2471, 2551..2649, 2735..2767, 2876..3057, 4894..4924		
GI Descrip.	K+-channel - Arabidopsis thaliana gi|1165000|emb|CAA63601.1| (X93022) K+ channel [Arabidopsis thaliana]		
Seq. No.	45735	Seq. ID	OJ000221_15.0320.C9
Gene No.	96842	Strand	+
Start	6095	End	11852
Name	OJ000221_15.0320.C9.o1.gp	Method	AAT/GAP
Start	5903	End	6370
GI	21259_1.R1084	Score	721
Exons	5903..6370		
GI Descrip.	'9992/emb|X63234|PL18SRNA 4.0e-11 P.lividus gene for 18S rRNA'		
Seq. No.	45735	Seq. ID	OJ000221_15.0320.C9
Gene No.	96842	Strand	+
Start	6095	End	11852
Name	OJ000221_15.0320.C9.o3.gs	Method	GENSCAN
Start	6095	End	10096
GI	none	Score	.56
Exons	6095..6258, 6999..7354, 7766..7863, 8220..8351, 9554..9614, 9837..10096		
Seq. No.	45735	Seq. ID	OJ000221_15.0320.C9
Gene No.	96842	Strand	+
Start	6095	End	11852
Name	OJ000221_15.0320.C9.o3.np	Method	AAT/NAP
Start	6919	End	11852
GI	7339707	Score	86
Exons	6919..7211, 7656..8051, 11827..11852		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		
Seq. No.	45735	Seq. ID	OJ000221_15.0320.C9
Gene No.	96843	Strand	-
Start	4025	End	7919
Name	OJ000221_15.0320.C9.o3.tm	Method	TBLASTX:Maize
Start	827	End	1224
GI	none	Score	93
Exons	827..1000, 842..955, 877..987, 1092..1223, 1093..1224		
Seq. No.	45735	Seq. ID	OJ000221_15.0320.C9
Gene No.	96843	Strand	-
Start	4025	End	7919
Name	OJ000221_15.0320.C9.o1.tc	Method	TBLASTX:Cress
Start	868	End	3055
GI	none	Score	103
Exons	868..957, 872..958, 1059..1286, 1063..1290, 1096..1287, 1380..1547, 1384..1548, 1384..1548, 1649..1711, 1650..1712, 1823..2152, 1824..2177, 2231..2473, 2232..2474, 2539..2649, 2550..2657, 2873..3055, 2917..2994		
Seq. No.	45735	Seq. ID	OJ000221_15.0320.C9
Gene No.	96843	Strand	-
Start	4025	End	7919
Name	OJ000221_15.0320.C9.o1.tw	Method	TBLASTX:Wheat
Start	1164	End	1937
GI	none	Score	117
Exons	1164..1286, 1165..1290, 1171..1287, 1387..1464, 1387..1434,		

1649..1711, 1650..1712, 1650..1712, 1789..1911, 1799..1936, 1824..1937, 1830..1937

Seq. No.	45735	Seq. ID	OJ000221_15.0320.C9
Gene No.	96843	Strand	-
Start	4025	End	7919
Name	OJ000221_15.0320.C9.o1.tm	Method	TBLASTX:Maize
Start	1230	End	1985
GI	none	Score	73
Exons	1230..1286, 1231..1290, 1380..1547, 1384..1548, 1650..1712, 1823..1978, 1824..1985		

Seq. No.	45735	Seq. ID	OJ000221_15.0320.C9
Gene No.	96843	Strand	-
Start	4025	End	7919
Name	OJ000221_15.0320.C9.o1.ts	Method	TBLASTX:Soybean
Start	1821	End	2105
GI	none	Score	169
Exons	1821..1952, 1823..1933, 1950..2105, 1952..2101		

Seq. No.	45735	Seq. ID	OJ000221_15.0320.C9
Gene No.	96843	Strand	-
Start	4025	End	7919
Name	OJ000221_15.0320.C9.o2.tm	Method	TBLASTX:Maize
Start	1986	End	2351
GI	none	Score	210
Exons	1986..2171, 1988..2137, 1989..2171, 2232..2351, 2246..2350		

Seq. No.	45735	Seq. ID	OJ000221_15.0320.C9
Gene No.	96843	Strand	-
Start	4025	End	7919
Name	OJ000221_15.0320.C9.o2.ts	Method	TBLASTX:Soybean
Start	2108	End	2622
GI	none	Score	131
Exons	2108..2131, 2231..2359, 2232..2336, 2322..2474, 2333..2449, 2524..2622, 2550..2621		

Seq. No.	45735	Seq. ID	OJ000221_15.0320.C9
Gene No.	96843	Strand	-
Start	4025	End	7919
Name	OJ000221_15.0320.C9.o2.gs	Method	GENSCAN
Start	4025	End	4567
GI	none	Score	.5
Exons	4025..4232, 4326..4567		

Seq. No.	45735	Seq. ID	OJ000221_15.0320.C9
Gene No.	96843	Strand	-
Start	4025	End	7919
Name	OJ000221_15.0320.C9.o2.np	Method	AAT/NAP
Start	4082	End	7919
GI	7339707	Score	71
Exons	4082..4170, 5580..5652, 6114..6279, 6731..6865, 6905..7293, 7748..7919		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	45736	Seq. ID	OJ000221_15.0320.C14
Gene No.	96844	Strand	+

Start	458	End	3241
Name	OJ000221_15.0320.C14.o1.gs	Method	GENSCAN
Start	458	End	2349
GI	none	Score	.49
Exons	458..661, 837..877, 1920..2349		

Seq. No.	45736	Seq. ID	OJ000221_15.0320.C14
Gene No.	96844	Strand	+
Start	458	End	3241
Name	OJ000221_15.0320.C14.o1.np	Method	AAT/NAP
Start	1609	End	3241
GI	6907086	Score	1260
Exons	1609..2374, 2435..2679, 2877..3241		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	45736	Seq. ID	OJ000221_15.0320.C14
Gene No.	96845	Strand	+
Start	8422	End	10205
Name	OJ000221_15.0320.C14.o2.np	Method	AAT/NAP
Start	8422	End	10205
GI	6983857	Score	1361
Exons	8422..8539, 8603..9164, 9335..9794, 9825..10205		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	45736	Seq. ID	OJ000221_15.0320.C14
Gene No.	96846	Strand	+
Start	13207	End	21351
Name	OJ000221_15.0320.C14.o3.gs	Method	GENSCAN
Start	13207	End	21351
GI	none	Score	.6
Exons	13207..13376, 13441..13971, 14074..14419, 15106..15344, 18196..18268, 18771..18985, 19125..19175, 20513..20795, 20868..21009, 21074..21250, 21305..21351		

Seq. No.	45736	Seq. ID	OJ000221_15.0320.C14
Gene No.	96846	Strand	+
Start	13207	End	21351
Name	OJ000221_15.0320.C14.o1.ts	Method	TBLASTX:Soybean
Start	13422	End	15198
GI	none	Score	40
Exons	13422..13481, 13580..13903, 13636..13890, 14072..14428, 14266..14427, 15100..15198, 15105..15197		

Seq. No.	45736	Seq. ID	OJ000221_15.0320.C14
Gene No.	96846	Strand	+
Start	13207	End	21351
Name	OJ000221_15.0320.C14.o1.gp	Method	AAT/GAP
Start	13495	End	14055
GI	uC-osf1M202094f10b1	Score	854
Exons	13495..13973, 14040..14055		
GI Descrip.	'4678586/emb|CAB41036.1| 1.0e-27 (AJ132438) GA 2-oxidase [Phaseolus coccineus]'		

Seq. No.	45736	Seq. ID	OJ000221_15.0320.C14
Gene No.	96846	Strand	+
Start	13207	End	21351
Name	OJ000221_15.0320.C14.o1.tm	Method	TBLASTX:Maize

Start	13568	End	15342
GI	none	Score	301
Exons	13568..13903, 13636..13890, 14071..14247, 14072..14254, 14140..14295, 14254..14409, 14255..14428, 14270..14422, 15100..15342, 15103..15198, 15105..15284, 15244..15327		

Seq. No.	45736	Seq. ID	OJ000221_15.0320.C14
Gene No.	96846	Strand	+
Start	13207	End	21351
Name	OJ000221_15.0320.C14.o3.np	Method	AAT/NAP
Start	13580	End	15354
GI	4678586	Score	902
Exons	13580..13971, 14053..14419, 15106..15354		
GI Descrip.	(AJ132438) GA 2-oxidase [Phaseolus coccineus]		

Seq. No.	45736	Seq. ID	OJ000221_15.0320.C14
Gene No.	96846	Strand	+
Start	13207	End	21351
Name	OJ000221_15.0320.C14.o1.tw	Method	TBLASTX:Wheat
Start	13582	End	14154
GI	none	Score	67
Exons	13582..13641, 13583..13642, 13630..13977, 13631..13981, 14072..14152, 14074..14154		

Seq. No.	45736	Seq. ID	OJ000221_15.0320.C14
Gene No.	96846	Strand	+
Start	13207	End	21351
Name	OJ000221_15.0320.C14.o1.tc	Method	TBLASTX:Cress
Start	13630	End	13903
GI	none	Score	258
Exons	13630..13890, 13631..13903, 13664..13900		

Seq. No.	45737	Seq. ID	OJ000221_15.0320.C16
Gene No.	96847	Strand	+
Start	1164	End	1333
Name	OJ000221_15.0320.C16.o1.gs	Method	GENSCAN
Start	1164	End	1333
GI	none	Score	.78
Exons	1164..1333		

Seq. No.	45738	Seq. ID	OJ000221_15.0320.C17
Gene No.	96848	Strand	+
Start	1	End	3667
Name	OJ000221_15.0320.C17.o1.np	Method	AAT/NAP
Start	1	End	3652
GI	3128218	Score	1103
Exons	1..194, 1096..1174, 1258..1365, 1593..1659, 2083..2167, 2536..2696, 2857..2958, 3174..3396, 3522..3652		
GI Descrip.	(AC004077) putative katanin [Arabidopsis thaliana]		

Seq. No.	45738	Seq. ID	OJ000221_15.0320.C17
Gene No.	96848	Strand	+
Start	1	End	3667
Name	OJ000221_15.0320.C17.o1.gs	Method	GENSCAN
Start	99	End	3667
GI	none	Score	.86
Exons	99..225, 260..347, 1258..1365, 1593..1659, 2083..2167,		

2536..2696, 2857..2958, 3174..3396, 3522..3667

Seq. No.	45738	Seq. ID	OJ000221_15.0320.C17
Gene No.	96848	Strand	+
Start	1	End	3667
Name	OJ000221_15.0320.C17.o1.gp	Method	AAT/GAP
Start	2526	End	3555
GI	23887_1.R1084	Score	911
Exons	2526..2696, 2857..2958, 3174..3396, 3522..3555		
GI Descrip.	'3128218 1.0e-63 (AC004077) putative end13 protein [Arabidopsis thaliana]'		

Seq. No.	45738	Seq. ID	OJ000221_15.0320.C17
Gene No.	96849	Strand	-
Start	3992	End	4224
Name	OJ000221_15.0320.C17.o1.tm	Method	TBLASTX:Maize
Start	7	End	3697
GI	none	Score	154
Exons	7..111, 20..112, 122..169, 124..168, 125..169, 130..171, 278..343, 279..344, 279..347, 289..348, 1091..1171, 1109..1171, 1110..1175, 1110..1178, 1230..1358, 1249..1380, 1250..1387, 1256..1366, 1579..1668, 1592..1648, 1593..1658, 2080..2169, 2081..2167, 2082..2168, 2510..2695, 2534..2716, 2535..2699, 2539..2706, 2842..2961, 2854..2958, 2855..2968, 3168..3395, 3173..3364, 3175..3396, 3285..3395, 3514..3642, 3514..3642, 3519..3674, 3521..3697, 3521..3652		

Seq. No.	45738	Seq. ID	OJ000221_15.0320.C17
Gene No.	96849	Strand	-
Start	3992	End	4224
Name	OJ000221_15.0320.C17.o2.ts	Method	TBLASTX:Soybean
Start	23	End	2169
GI	none	Score	58
Exons	23..118, 125..169, 1110..1175, 1112..1165, 1255..1380, 1256..1366, 1256..1381, 1257..1367, 1258..1368, 1585..1668, 1590..1658, 2080..2169, 2082..2168		

Seq. No.	45738	Seq. ID	OJ000221_15.0320.C17
Gene No.	96849	Strand	-
Start	3992	End	4224
Name	OJ000221_15.0320.C17.o2.tc	Method	TBLASTX:Cress
Start	1109	End	1357
GI	none	Score	62
Exons	1109..1165, 1110..1175, 1255..1356, 1256..1354, 1256..1357		

Seq. No.	45738	Seq. ID	OJ000221_15.0320.C17
Gene No.	96849	Strand	-
Start	3992	End	4224
Name	OJ000221_15.0320.C17.o1.tc	Method	TBLASTX:Cress
Start	2555	End	3651
GI	none	Score	126
Exons	2555..2638, 2559..2639, 2574..2639, 2575..2640, 2622..2699, 2634..2699, 2635..2703, 2636..2716, 2842..2961, 2854..2955, 2855..2968, 2856..2957, 3168..3392, 3173..3349, 3262..3393, 3291..3389, 3520..3651, 3521..3649		

Seq. No.	45738	Seq. ID	OJ000221_15.0320.C17

Gene No.	96849	Strand	-
Start	3992	End	4224
Name	OJ000221_15.0320.C17.o1.ts	Method	TBLASTX:Soybean
Start	2869	End	3570
GI	none	Score	129
Exons	2869..2958, 3168..3395, 3173..3358, 3181..3396, 3260..3397, 3481..3570, 3521..3568		

Seq. No.	45738	Seq. ID	OJ000221_15.0320.C17
Gene No.	96849	Strand	-
Start	3992	End	4224
Name	OJ000221_15.0320.C17.o2.gp	Method	AAT/GAP
Start	3992	End	4224
GI	12987_1.R1084	Score	432
Exons	3992..4224		
GI Descrip.	'3142331 9.0e-19 (U97327) calcyclin binding protein [Mus musculus]'		

Seq. No.	45739	Seq. ID	OJ000221_15.0320.C18
Gene No.	96850	Strand	-
Start	1	End	11226
Name	OJ000221_15.0320.C18.o1.gp	Method	AAT/GAP
Start	1	End	2762
GI	12987_1.R1084	Score	1067
Exons	1..28, 676..915, 2323..2481, 2609..2762		
GI Descrip.	'3142331 9.0e-19 (U97327) calcyclin binding protein [Mus musculus]'		

Seq. No.	45739	Seq. ID	OJ000221_15.0320.C18
Gene No.	96850	Strand	-
Start	1	End	11226
Name	OJ000221_15.0320.C18.o1.np	Method	AAT/NAP
Start	1	End	7841
GI	4371293	Score	92
Exons	1..22, 3786..3973, 4253..4405, 4503..4590, 7732..7841		
GI Descrip.	(AC006260) putative myosin heavy chain [Arabidopsis thaliana]		

Seq. No.	45739	Seq. ID	OJ000221_15.0320.C18
Gene No.	96850	Strand	-
Start	1	End	11226
Name	OJ000221_15.0320.C18.o1.ts	Method	TBLASTX:Soybean
Start	671	End	2373
GI	none	Score	237
Exons	671..910, 673..921, 676..918, 2320..2373		

Seq. No.	45739	Seq. ID	OJ000221_15.0320.C18
Gene No.	96850	Strand	-
Start	1	End	11226
Name	OJ000221_15.0320.C18.o2.tm	Method	TBLASTX:Maize
Start	671	End	2736
GI	none	Score	285
Exons	671..904, 676..912, 676..921, 759..917, 2320..2373, 2606..2731, 2613..2726, 2677..2736		

Seq. No.	45739	Seq. ID	OJ000221_15.0320.C18
Gene No.	96850	Strand	-
Start	1	End	11226

Name	OJ000221_15.0320.C18.o1.gs	Method	GENSCAN
Start	676	End	2725
GI	none	Score	.87
Exons	676..915, 2323..2481, 2609..2725		

Seq. No.	45739	Seq. ID	OJ000221_15.0320.C18
Gene No.	96850	Strand	-
Start	1	End	11226
Name	OJ000221_15.0320.C18.o2.gs	Method	GENSCAN
Start	3731	End	11226
GI	none	Score	.59
Exons	3731..4399, 4503..4659, 4733..4909, 5070..5208, 5256..5427, 7737..7799, 8082..8110, 8978..9052, 11002..11226		

Seq. No.	45739	Seq. ID	OJ000221_15.0320.C18
Gene No.	96850	Strand	-
Start	1	End	11226
Name	OJ000221_15.0320.C18.o1.tm	Method	TBLASTX:Maize
Start	4043	End	4997
GI	none	Score	102
Exons	4043..4171, 4071..4157, 4169..4402, 4174..4203, 4236..4400, 4503..4532, 4530..4661, 4531..4662, 4570..4665, 4728..4757, 4729..4773, 4732..4782, 4842..4913, 4965..4997		

Seq. No.	45739	Seq. ID	OJ000221_15.0320.C18
Gene No.	96850	Strand	-
Start	1	End	11226
Name	OJ000221_15.0320.C18.o2.gp	Method	AAT/GAP
Start	4246	End	4943
GI	43039_1.R1084	Score	940
Exons	4246..4399, 4503..4659, 4733..4943		
GI Descrip.	'4371293/gb|AAD18151| 1.0e-10 (AC006260) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	45740	Seq. ID	OJ000221_15.0320.C19
Gene No.	96851	Strand	+
Start	431	End	539
Name	OJ000221_15.0320.C19.o1.gs	Method	GENSCAN
Start	431	End	539
GI	none	Score	.89
Exons	431..539		

Seq. No.	45740	Seq. ID	OJ000221_15.0320.C19
Gene No.	96852	Strand	-
Start	694	End	1095
Name	OJ000221_15.0320.C19.o2.gs	Method	GENSCAN
Start	694	End	1095
GI	none	Score	.44
Exons	694..1095		

Seq. No.	45741	Seq. ID	OJ000221_15.0320.C20
Gene No.	96853	Strand	+
Start	4214	End	7972
Name	OJ000221_15.0320.C20.o2.gp	Method	AAT/GAP
Start	4214	End	5017
GI	uC-osrocyp021e12b1	Score	865
Exons	4214..4363, 4488..4608, 4707..4818, 4907..5017		

GI Descrip.	'2660675 2.0e-58 (AC002342) similar to DNA-damage-inducible protein P [Arabidopsis thaliana]'		
Seq. No.	45741	Seq. ID	OJ000221_15.0320.C20
Gene No.	96853	Strand	+
Start	4214	End	7972
Name	OJ000221_15.0320.C20.o2.np	Method	AAT/NAP
Start	4288	End	7972
GI	2660675	Score	1311
Exons	4288..4363, 4488..4608, 4707..4822, 4874..5074, 5153..5320, 5424..5527, 5646..5765, 5973..6096, 7196..7313, 7407..7609, 7854..7972		
GI Descrip.	(AC002342) similar to DNA-damage-inducible protein P [Arabidopsis thaliana]		

Seq. No.	45741	Seq. ID	OJ000221_15.0320.C20
Gene No.	96853	Strand	+
Start	4214	End	7972
Name	OJ000221_15.0320.C20.o2.gs	Method	GENSCAN
Start	4853	End	7609
GI	none	Score	.7
Exons	4853..5320, 5424..5527, 5646..5765, 5973..6096, 7196..7309, 7418..7609		

Seq. No.	45741	Seq. ID	OJ000221_15.0320.C20
Gene No.	96854	Strand	-
Start	797	End	4767
Name	OJ000221_15.0320.C20.o3.tm	Method	TBLASTX:Maize
Start	748	End	2747
GI	none	Score	91
Exons	748..852, 748..936, 779..931, 848..949, 960..1139, 970..1143, 975..1148, 1046..1165, 2552..2737, 2556..2747, 2557..2736		

Seq. No.	45741	Seq. ID	OJ000221_15.0320.C20
Gene No.	96854	Strand	-
Start	797	End	4767
Name	OJ000221_15.0320.C20.o1.np	Method	AAT/NAP
Start	763	End	4648
GI	7486589	Score	703
Exons	763..1138, 2527..2739, 2959..3102, 3445..3561, 4518..4648		
GI Descrip.	hypothetical protein F7J7.130 - Arabidopsis thaliana gi|2911076|emb|CAA17538.1| (AL021960) putative protein [Arabidopsis thaliana] gi|7268916|emb|CAB79119.1| (AL161554) putative protein [Arabidopsis thaliana]		

Seq. No.	45741	Seq. ID	OJ000221_15.0320.C20
Gene No.	96854	Strand	-
Start	797	End	4767
Name	OJ000221_15.0320.C20.o1.gs	Method	GENSCAN
Start	797	End	4690
GI	none	Score	.82
Exons	797..1138, 2527..2739, 2959..3102, 3383..3561, 3653..3903, 3942..4174, 4377..4445, 4505..4690		

Seq. No.	45741	Seq. ID	OJ000221_15.0320.C20
Gene No.	96854	Strand	-
Start	797	End	4767

Name	OJ000221_15.0320.C20.o1.gp	Method	AAT/GAP
Start	959	End	4004
GI	21567_1.R1084	Score	1443
Exons	959..1138, 2527..2739, 2959..3102, 3463..3561, 3653..3750, 3942..4004		
GI Descrip.	'2911076/emb|CAA17538.1| 1.0e-83 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	45741	Seq. ID	OJ000221_15.0320.C20
Gene No.	96854	Strand	-
Start	797	End	4767
Name	OJ000221_15.0320.C20.o1.tc	Method	TBLASTX:Cress
Start	2956	End	3562
GI	none	Score	93
Exons	2956..3102, 2996..3097, 3457..3561, 3485..3562		

Seq. No.	45741	Seq. ID	OJ000221_15.0320.C20
Gene No.	96854	Strand	-
Start	797	End	4767
Name	OJ000221_15.0320.C20.o1.ts	Method	TBLASTX:Soybean
Start	2962	End	3580
GI	none	Score	125
Exons	2962..3102, 2996..3100, 3455..3580, 3457..3561		

Seq. No.	45741	Seq. ID	OJ000221_15.0320.C20
Gene No.	96854	Strand	-
Start	797	End	4767
Name	OJ000221_15.0320.C20.o4.tm	Method	TBLASTX:Maize
Start	3458	End	3562
GI	none	Score	156
Exons	3458..3562, 3460..3561		

Seq. No.	45741	Seq. ID	OJ000221_15.0320.C20
Gene No.	96854	Strand	-
Start	797	End	4767
Name	OJ000221_15.0320.C20.o2.tm	Method	TBLASTX:Maize
Start	4245	End	4767
GI	none	Score	122
Exons	4245..4358, 4288..4362, 4315..4362, 4319..4363, 4331..4363, 4471..4587, 4475..4609, 4486..4608, 4646..4762, 4692..4766, 4704..4748, 4705..4767		

Seq. No.	45741	Seq. ID	OJ000221_15.0320.C20
Gene No.	96855	Strand	
Start	5156	End	7604
Name	OJ000221_15.0320.C20.o1.tm	Method	TBLASTX:Maize
Start	5156	End	7604
GI	none	Score	243
Exons	5156..5323, 5185..5319, 5423..5530, 5424..5528, 5643..5765, 5646..5762, 5671..5766, 5962..6099, 5973..6101, 7167..7304, 7196..7309, 7196..7312, 7206..7325, 7412..7603, 7439..7603, 7440..7604		

Seq. No.	45742	Seq. ID	OJ000211_14.0323.C3
Gene No.	96856	Strand	-
Start	1	End	1043
Name	OJ000211_14.0323.C3.o1.np	Method	AAT/NAP

Start	1	End	651
GI	6094553	Score	109
Exons	1..81, 267..335, 408..651		
GI Descrip.	(AC010676) unknown protein [Arabidopsis thaliana]		

Seq. No.	45742	Seq. ID	OJ000211_14.0323.C3
Gene No.	96856	Strand	-
Start	1	End	1043
Name	OJ000211_14.0323.C3.o1.gp	Method	AAT/GAP
Start	101	End	651
GI	uC-osflcyp174h04b1	Score	551
Exons	101..140, 261..335, 408..651		
GI Descrip.	'6094553/gb|AAF03495.1|AC010676_5 2.0e-59 (AC010676) unknown protein [Arabidopsis thaliana]'		

Seq. No.	45742	Seq. ID	OJ000211_14.0323.C3
Gene No.	96856	Strand	-
Start	1	End	1043
Name	OJ000211_14.0323.C3.o1.gs	Method	GENSCAN
Start	278	End	1043
GI	none	Score	.8
Exons	278..335, 408..649, 752..848, 949..1043		

Seq. No.	45743	Seq. ID	OJ000211_14.0323.C5
Gene No.	96857	Strand	+
Start	1	End	5058
Name	OJ000211_14.0323.C5.o1.np	Method	AAT/NAP
Start	1	End	3984
GI	4415912	Score	954
Exons	1..263, 1157..1286, 1422..1675, 2343..2570, 2780..2942, 3061..3134, 3223..3306, 3427..3506, 3870..3984		
GI Descrip.	(AC006282) putative protease [Arabidopsis thaliana]		

Seq. No.	45743	Seq. ID	OJ000211_14.0323.C5
Gene No.	96857	Strand	+
Start	1	End	5058
Name	OJ000211_14.0323.C5.o1.gp	Method	AAT/GAP
Start	1121	End	1650
GI	2310457	Score	649
Exons	1121..1286, 1422..1650		
GI Descrip.	4415912/gb|AAD20143| 1.0e-19 (AC006282) putative protease [Arabidopsis thaliana]		

Seq. No.	45743	Seq. ID	OJ000211_14.0323.C5
Gene No.	96857	Strand	+
Start	1	End	5058
Name	OJ000211_14.0323.C5.o1.gs	Method	GENSCAN
Start	1157	End	5058
GI	none	Score	.66
Exons	1157..1286, 1422..1675, 2343..2570, 2780..2942, 3061..3134, 3202..3319, 3440..3506, 3870..3941, 4068..4223, 4583..4661, 4920..5058		

Seq. No.	45743	Seq. ID	OJ000211_14.0323.C5
Gene No.	96857	Strand	+
Start	1	End	5058
Name	OJ000211_14.0323.C5.o2.gp	Method	AAT/GAP

Start	1217	End	1675
GI	2310457	Score	577
Exons	1217..1286, 1422..1675		
GI Descrip.	4415912/gb|AAD20143| 1.0e-19 (AC006282) putative protease [Arabidopsis thaliana]		

Seq. No.	45743	Seq. ID	OJ000211_14.0323.C5
Gene No.	96858	Strand	-
Start	4426	End	4802
Name	OJ000211_14.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	1154	End	2526
GI	none	Score	128
Exons	1154..1285, 1157..1285, 1158..1292, 1421..1534, 1422..1541, 1424..1582, 1528..1671, 1532..1672, 1532..1681, 2339..2500, 2343..2525, 2344..2526		

Seq. No.	45743	Seq. ID	OJ000211_14.0323.C5
Gene No.	96858	Strand	-
Start	4426	End	4802
Name	OJ000211_14.0323.C5.o1.ts	Method	TBLASTX:Soybean
Start	2451	End	3132
GI	none	Score	183
Exons	2451..2570, 2452..2571, 2778..2936, 2780..2941, 3048..3116, 3061..3132		

Seq. No.	45743	Seq. ID	OJ000211_14.0323.C5
Gene No.	96858	Strand	-
Start	4426	End	4802
Name	OJ000211_14.0323.C5.o3.tm	Method	TBLASTX:Maize
Start	2527	End	2945
GI	none	Score	77
Exons	2527..2571, 2529..2570, 2778..2945, 2779..2940, 2780..2941		

Seq. No.	45743	Seq. ID	OJ000211_14.0323.C5
Gene No.	96858	Strand	-
Start	4426	End	4802
Name	OJ000211_14.0323.C5.o1.tc	Method	TBLASTX:Cress
Start	2530	End	3268
GI	none	Score	61
Exons	2530..2571, 2778..2948, 2780..2941, 3048..3134, 3061..3150, 3215..3268, 3217..3267		

Seq. No.	45743	Seq. ID	OJ000211_14.0323.C5
Gene No.	96858	Strand	-
Start	4426	End	4802
Name	OJ000211_14.0323.C5.o2.tm	Method	TBLASTX:Maize
Start	3063	End	4423
GI	none	Score	97
Exons	3063..3143, 3064..3129, 3194..3319, 3202..3324, 3206..3319, 3430..3504, 3432..3509, 3440..3505, 3862..3942, 3864..3944, 3869..3952, 4069..4122, 4069..4203, 4103..4174, 4201..4233, 4203..4244, 4339..4359, 4340..4366, 4394..4423		

Seq. No.	45743	Seq. ID	OJ000211_14.0323.C5
Gene No.	96858	Strand	-
Start	4426	End	4802
Name	OJ000211_14.0323.C5.o3.gp	Method	AAT/GAP

Start	4426	End	4802
GI	uC-osroM202010g03a1	Score	701
Exons	4426..4802		
GI Descrip.	'4415912/gb|AAD20143| 1.0e-19 (AC006282) putative protease [Arabidopsis thaliana]'		

Seq. No.	45744	Seq. ID	OJ000211_14.0323.C6
Gene No.	96859	Strand	+
Start	434	End	8659
Name	OJ000211_14.0323.C6.o1.np	Method	AAT/NAP
Start	434	End	5737
GI	6324607	Score	234
Exons	434..553, 823..946, 1069..1206, 1337..1549, 1930..2070, 5717..5737		
GI Descrip.	exonuclease; Dhs1p gi|1706421|sp|P39875|EXO1_YEAST EXONUCLEASE I (EXO I) (DHS1 PROTEIN) gi|2131226|pir||S62169 DHS1 protein - yeast (Saccharomyces cerevisiae) gi|1041655|emb|CAA60749| (X87331) overlaps with S69545. Encodes protein 219 amino acids longer than published protein sequence [Saccharomyces cerevisiae] gi|1420150|emb|CAA99223| (Z74941) ORF YOR033c [Saccha		

Seq. No.	45744	Seq. ID	OJ000211_14.0323.C6
Gene No.	96859	Strand	+
Start	434	End	8659
Name	OJ000211_14.0323.C6.o1.gs	Method	GENSCAN
Start	465	End	8488
GI	none	Score	.55
Exons	465..553, 823..946, 1069..1206, 1337..1546, 1930..2080, 3297..3646, 3754..3808, 3932..4227, 4325..4376, 4585..4792, 4909..5291, 5524..5654, 6969..7208, 7231..7383, 8297..8488		

Seq. No.	45744	Seq. ID	OJ000211_14.0323.C6
Gene No.	96859	Strand	+
Start	434	End	8659
Name	OJ000211_14.0323.C6.o2.np	Method	AAT/NAP
Start	5109	End	8659
GI	2213587	Score	94
Exons	5109..5171, 7018..7146, 7174..7386, 8639..8659		
GI Descrip.	(AC000348) T7N9.7 [Arabidopsis thaliana]		

Seq. No.	45744	Seq. ID	OJ000211_14.0323.C6
Gene No.	96860	Strand	-
Start	9809	End	20415
Name	OJ000211_14.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	1057	End	2079
GI	none	Score	222
Exons	1057..1230, 1067..1204, 1126..1206, 1334..1549, 1336..1542, 1337..1549, 1927..2079, 1927..2067, 1929..2069		

Seq. No.	45744	Seq. ID	OJ000211_14.0323.C6
Gene No.	96860	Strand	-
Start	9809	End	20415
Name	OJ000211_14.0323.C6.o3.np	Method	AAT/NAP
Start	9809	End	20415
GI	6094553	Score	2427
Exons	9809..9841, 10067..10297, 10392..10466, 10561..10728,		

11001..11058, 11131..11372, 11638..11709, 12358..12424,
13088..13132, 13227..13465, 13630..13749, 13848..13922,
13998..14060, 14753..14835, 15435..15477, 15764..15922,
16696..16769, 17185..17248, 17340..17439, 17516..17722,
17841..17935, 18855..18929, 19114..19206, 19571..19675,
20344..20415

GI Descrip. (AC010676) unknown protein [Arabidopsis thaliana]

Seq. No.	45744	Seq. ID	OJ000211_14.0323.C6
Gene No.	96860	Strand	-
Start	9809	End	20415
Name	OJ000211_14.0323.C6.o2.gs	Method	GENSCAN
Start	10013	End	20397
GI	none	Score	.81
Exons	10013..10297, 10392..10466, 10561..10728, 11001..11058, 11131..11372, 11638..11709, 12358..12436, 13227..13465, 13848..13922, 13998..14060, 14753..14835, 15360..15499, 15801..15922, 16696..16774, 17516..17722, 17913..17935, 19114..19206, 19571..19675, 20344..20397		

Seq. No.	45744	Seq. ID	OJ000211_14.0323.C6
Gene No.	96860	Strand	-
Start	9809	End	20415
Name	OJ000211_14.0323.C6.o2.ts	Method	TBLASTX:Soybean
Start	10067	End	10273
GI	none	Score	95
Exons	10067..10273, 10145..10267		

Seq. No.	45744	Seq. ID	OJ000211_14.0323.C6
Gene No.	96860	Strand	-
Start	9809	End	20415
Name	OJ000211_14.0323.C6.o3.tm	Method	TBLASTX:Maize
Start	10135	End	10261
GI	none	Score	183
Exons	10135..10251, 10136..10261, 10136..10261		

Seq. No.	45744	Seq. ID	OJ000211_14.0323.C6
Gene No.	96860	Strand	-
Start	9809	End	20415
Name	OJ000211_14.0323.C6.o1.tc	Method	TBLASTX:Cress
Start	10392	End	11724
GI	none	Score	75
Exons	10392..10514, 10408..10467, 10522..10755, 10558..10743, 10989..11060, 11008..11070, 11128..11172, 11130..11171, 11241..11375, 11635..11724, 11639..11710		

Seq. No.	45744	Seq. ID	OJ000211_14.0323.C6
Gene No.	96860	Strand	-
Start	9809	End	20415
Name	OJ000211_14.0323.C6.o2.tm	Method	TBLASTX:Maize
Start	10624	End	13369
GI	none	Score	89
Exons	10624..10743, 10637..10729, 10989..11060, 10999..11070, 11128..11172, 11130..11195, 11316..11375, 11317..11373, 11626..11703, 11635..11724, 11639..11707, 12355..12426, 13082..13132, 13084..13131, 13222..13368, 13226..13369, 13229..13369		

Seq. No.	45744	Seq. ID	OJ000211_14.0323.C6
Gene No.	96860	Strand	-
Start	9809	End	20415
Name	OJ000211_14.0323.C6.o1.gp	Method	AAT/GAP
Start	10625	End	13115
GI	uC-osflcyp174h04b1	Score	997
Exons	10625..10728, 11001..11058, 11131..11372, 11638..11709, 12358..12424, 13088..13115		
GI Descrip.	'6094553/gb|AAF03495.1|AC010676_5 2.0e-59 (AC010676) unknown protein [Arabidopsis thaliana]'		

Seq. No.	45744	Seq. ID	OJ000211_14.0323.C6
Gene No.	96860	Strand	-
Start	9809	End	20415
Name	OJ000211_14.0323.C6.o1.ts	Method	TBLASTX:Soybean
Start	12358	End	13695
GI	none	Score	112
Exons	12358..12426, 13084..13131, 13226..13429, 13269..13373, 13627..13695		

Seq. No.	45744	Seq. ID	OJ000211_14.0323.C6
Gene No.	96860	Strand	-
Start	9809	End	20415
Name	OJ000211_14.0323.C6.o2.tc	Method	TBLASTX:Cress
Start	13225	End	13922
GI	none	Score	116
Exons	13225..13368, 13226..13369, 13229..13414, 13269..13373, 13385..13477, 13627..13695, 13848..13922		

Seq. No.	45745	Seq. ID	OJ000211_14.0323.C7
Gene No.	96861	Strand	-
Start	230	End	3883
Name	OJ000211_14.0323.C7.o1.np	Method	AAT/NAP
Start	230	End	2915
GI	6094553	Score	400
Exons	230..387, 1326..1389, 2008..2091, 2834..2915		
GI Descrip.	(AC010676) unknown protein [Arabidopsis thaliana]		

Seq. No.	45745	Seq. ID	OJ000211_14.0323.C7
Gene No.	96861	Strand	-
Start	230	End	3883
Name	OJ000211_14.0323.C7.o1.gs	Method	GENSCAN
Start	234	End	3883
GI	none	Score	.96
Exons	234..387, 1326..1389, 2834..2880, 3643..3702, 3812..3883		

Seq. No.	45745	Seq. ID	OJ000211_14.0323.C7
Gene No.	96862	Strand	-
Start	6877	End	12105
Name	OJ000211_14.0323.C7.o2.gs	Method	GENSCAN
Start	6877	End	12105
GI	none	Score	.49
Exons	6877..7099, 7750..7936, 8015..8113, 8463..8585, 8875..9033, 9843..10001, 10187..10425, 11136..11404, 11698..12061, 12086..12105		

Seq. No.	45745	Seq. ID	OJ000211_14.0323.C7
Gene No.	96862	Strand	-
Start	6877	End	12105
Name	OJ000211_14.0323.C7.o2.np	Method	AAT/NAP
Start	7740	End	11334
GI	2213588	Score	728
Exons	7740..8113, 8517..8582, 8661..8792, 8875..9038, 9848..10001, 10187..10342, 11136..11334		
GI Descrip.	(AC000348) T7N9.8 [Arabidopsis thaliana]		

Seq. No.	45745	Seq. ID	OJ000211_14.0323.C7
Gene No.	96863	Strand	-
Start	12497	End	14118
Name	OJ000211_14.0323.C7.o1.tc	Method	TBLASTX:Cress
Start	7773	End	10349
GI	none	Score	90
Exons	7773..7811, 7839..7943, 8005..8109, 8016..8087, 8662..8778, 10254..10349		

Seq. No.	45745	Seq. ID	OJ000211_14.0323.C7
Gene No.	96863	Strand	-
Start	12497	End	14118
Name	OJ000211_14.0323.C7.o1.tm	Method	TBLASTX:Maize
Start	8513	End	9976
GI	none	Score	43
Exons	8513..8572, 8533..8586, 8549..8581, 8659..8793, 8662..8793, 8663..8794, 8663..8794, 8876..8980, 8877..8978, 8878..8979, 8981..9049, 8982..9035, 8983..9036, 9839..9976, 9844..9975		

Seq. No.	45745	Seq. ID	OJ000211_14.0323.C7
Gene No.	96863	Strand	-
Start	12497	End	14118
Name	OJ000211_14.0323.C7.o3.gs	Method	GENSCAN
Start	12497	End	14118
GI	none	Score	.42
Exons	12497..12707, 12765..12807, 12941..13240, 13799..14025, 14099..14118		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96864	Strand	+
Start	121	End	1458
Name	OJ000211_14.0323.C8.o1.gs	Method	GENSCAN
Start	121	End	1458
GI	none	Score	.73
Exons	121..195, 225..366, 1373..1458		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96865	Strand	+
Start	4459	End	8298
Name	OJ000211_14.0323.C8.o1.np	Method	AAT/NAP
Start	4248	End	6794
GI	4836909	Score	246
Exons	4248..4377, 4490..4559, 4755..4897, 5043..5585, 6098..6173, 6660..6794		
GI Descrip.	(AC007153) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8

Gene No.	96865	Strand	+
Start	4459	End	8298
Name	OJ000211_14.0323.C8.o3.gs	Method	GENSCAN
Start	4459	End	8298
GI	none	Score	.66
Exons	4459..4559, 4755..4897, 4989..5499, 5573..5674, 5787..5865, 6116..6212, 6251..6388, 7340..7422, 7604..7635, 7703..8007, 8078..8298		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96866	Strand	+
Start	9128	End	9657
Name	OJ000211_14.0323.C8.o1.gp	Method	AAT/GAP
Start	9128	End	9657
GI	none	Score	996
Exons	9128..9657		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96867	Strand	+
Start	17404	End	38166
Name	OJ000211_14.0323.C8.o3.np	Method	AAT/NAP
Start	17404	End	21208
GI	6721547	Score	88
Exons	17404..17496, 21119..21208		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96867	Strand	+
Start	17404	End	38166
Name	OJ000211_14.0323.C8.o8.gs	Method	GENSCAN
Start	17404	End	38160
GI	none	Score	.64
Exons	17404..17488, 20696..20982, 21494..21650, 22920..23131, 24180..24420, 25004..25161, 25708..25824, 26421..26606, 26731..26890, 27539..27642, 27689..27713, 28546..28659, 28713..28821, 29185..29351, 29477..29748, 29781..29822, 29883..30106, 30526..30596, 30785..30883, 31513..31580, 32130..32221, 32365..32438, 32637..32680, 33015..33066, 33445..33564, 33637..33749, 33883..34049, 34323..34437, 35351..35454, 35856..35958, 36110..36205, 36397..36505, 36637..36698, 36874..36978, 37642..37843, 37952..38160		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96867	Strand	+
Start	17404	End	38166
Name	OJ000211_14.0323.C8.o2.gp	Method	AAT/GAP
Start	21095	End	23116
GI	46944_1.R1084	Score	1192
Exons	21095..21515, 22920..23116		
GI Descrip.	'5302775/emb|CAB46053.1| 4.0e-09 (Z97337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96867	Strand	+
Start	17404	End	38166
Name	OJ000211_14.0323.C8.o4.np	Method	AAT/NAP
Start	22874	End	26907

GI	2388561	Score	1060
Exons	22874..23135, 23229..23345, 24118..24420, 25004..25161, 25708..25824, 26421..26606, 26737..26907		
GI Descrip.	(AC000098) Similar to Arabidopsis hypothetical protein PID:e326839 (gb|Z97337). [Arabidopsis thaliana]		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96867	Strand	+
Start	17404	End	38166
Name	OJ000211_14.0323.C8.o3.gp	Method	AAT/GAP
Start	24282	End	26450
GI	LIB3433-054-P1-K1-B7	Score	774
Exons	24282..24420, 25004..25161, 25708..25824, 26421..26450		
GI Descrip.	'2388561 3.0e-46 (AC000098) Similar to Arabidopsis hypothetical protein PID:e326839 (gb_Z97337). [Arabidopsis thaliana]'		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96867	Strand	+
Start	17404	End	38166
Name	OJ000211_14.0323.C8.o4.gp	Method	AAT/GAP
Start	26456	End	26877
GI	uC-osrocyp006g07b1	Score	505
Exons	26456..26606, 26731..26877		
GI Descrip.	'2388561 2.0e-12 (AC000098) Similar to Arabidopsis hypothetical protein PID:e326839 (gb_Z97337). [Arabidopsis thaliana]'		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96867	Strand	+
Start	17404	End	38166
Name	OJ000211_14.0323.C8.o5.np	Method	AAT/NAP
Start	29611	End	38166
GI	2335108	Score	1851
Exons	29611..29748, 29883..29958, 31513..31580, 32130..32221, 32365..32438, 32637..32680, 33015..33066, 33445..33564, 33637..33749, 33883..34038, 34154..34253, 34352..34437, 35032..35118, 35351..35454, 35856..35958, 36110..36205, 36316..36505, 36637..36698, 36874..36978, 37642..37843, 37952..38166		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96868	Strand	-
Start	1694	End	2884
Name	OJ000211_14.0323.C8.o2.gs	Method	GENSCAN
Start	1694	End	2884
GI	none	Score	.76
Exons	1694..1837, 2238..2361, 2672..2787, 2825..2884		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96869	Strand	-
Start	6917	End	10981
Name	OJ000211_14.0323.C8.o2.np	Method	AAT/NAP
Start	6917	End	10981
GI	6069646	Score	75
Exons	6917..6990, 7306..7461, 9054..9179, 10923..10981		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to		

Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96869	Strand	-
Start	6917	End	10981
Name	OJ000211_14.0323.C8.o5.gs	Method	GENSCAN
Start	10212	End	10970
GI	none	Score	.85
Exons	10212..10392, 10720..10747, 10781..10970		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96870	Strand	-
Start	26907	End	38166
Name	OJ000211_14.0323.C8.o5.tm	Method	TBLASTX:Maize
Start	6916	End	7306
GI	none	Score	71
Exons	6916..6987, 6962..7090, 7165..7305, 7169..7306		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96870	Strand	-
Start	26907	End	38166
Name	OJ000211_14.0323.C8.o4.tm	Method	TBLASTX:Maize
Start	12587	End	12856
GI	none	Score	154
Exons	12587..12703, 12588..12680, 12785..12856, 12787..12855		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96870	Strand	-
Start	26907	End	38166
Name	OJ000211_14.0323.C8.o1.tw	Method	TBLASTX:Wheat
Start	21383	End	23061
GI	none	Score	45
Exons	21383..21430, 21424..21465, 21473..21511, 22918..23061, 22919..23056		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96870	Strand	-
Start	26907	End	38166
Name	OJ000211_14.0323.C8.o1.ts	Method	TBLASTX:Soybean
Start	22916	End	24416
GI	none	Score	170
Exons	22916..23131, 22918..23130, 23233..23346, 23252..23347, 24116..24295, 24117..24299, 24300..24416, 24336..24407		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96870	Strand	-
Start	26907	End	38166
Name	OJ000211_14.0323.C8.o1.tm	Method	TBLASTX:Maize
Start	22918	End	27255
GI	none	Score	236
Exons	22918..23130, 22919..23131, 22919..23131, 23220..23345, 23221..23346, 23264..23347, 24116..24418, 24117..24431, 24127..24438, 24997..25164, 25000..25164, 25700..25756, 25707..25823, 25707..25823, 25708..25845, 25708..25824, 26415..26603, 26418..26576, 26420..26602, 26730..26909,		

26735..26908, 26737..26910, 26803..26910, 26984..27019,
27018..27062, 27023..27055, 27183..27251, 27184..27255

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96870	Strand	-
Start	26907	End	38166
Name	OJ000211_14.0323.C8.o2.tc	Method	TBLASTX:Cress
Start	24135	End	25755
GI	none	Score	238
Exons	24135..24311, 24137..24286, 24285..24431, 24334..24447, 24342..24407, 24999..25163, 25000..25164, 25707..25754, 25708..25755, 25708..25755		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96870	Strand	-
Start	26907	End	38166
Name	OJ000211_14.0323.C8.o4.ts	Method	TBLASTX:Soybean
Start	24999	End	26567
GI	none	Score	53
Exons	24999..25019, 25000..25050, 25086..25163, 25087..25164, 25689..25808, 25691..25801, 25707..25814, 25708..25824, 25708..25824, 26415..26567, 26417..26566		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96870	Strand	-
Start	26907	End	38166
Name	OJ000211_14.0323.C8.o2.ts	Method	TBLASTX:Soybean
Start	26596	End	38001
GI	none	Score	64
Exons	26596..26658, 35345..35464, 35851..35958, 35853..35954, 36107..36214, 36124..36213, 36313..36504, 36315..36503, 36636..36701, 36871..36978, 37639..37845, 37639..37803, 37933..38001		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96870	Strand	-
Start	26907	End	38166
Name	OJ000211_14.0323.C8.o5.gp	Method	AAT/GAP
Start	26907	End	27377
GI	49951_1.R1084	Score	938
Exons	26907..27377		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96870	Strand	-
Start	26907	End	38166
Name	OJ000211_14.0323.C8.o5.ts	Method	TBLASTX:Soybean
Start	29638	End	31580
GI	none	Score	122
Exons	29638..29760, 29644..29760, 29880..29957, 29885..29956, 31511..31579, 31512..31580		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96870	Strand	-
Start	26907	End	38166
Name	OJ000211_14.0323.C8.o2.tm	Method	TBLASTX:Maize

Start	33520	End	37716
GI	none	Score	77
Exons	33520..33564, 33522..33581, 33636..33752, 33636..33749, 33877..34047, 33879..34055, 33879..34046, 33880..34047, 34136..34273, 34159..34248, 34351..34452, 34351..34437, 35027..35110, 35029..35118, 35031..35117, 35032..35124, 35315..35452, 35345..35455, 35346..35453, 35350..35454, 35853..35957, 35853..35957, 35854..35958, 35857..35958, 36088..36207, 36107..36214, 36125..36214, 36313..36504, 36315..36500, 36638..36700, 36640..36708, 36857..36979, 36871..36978, 36873..36980, 36873..36992, 37634..37711, 37635..37712, 37639..37716, 37639..37716		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96870	Strand	-
Start	26907	End	38166
Name	OJ000211_14.0323.C8.o3.ts	Method	TBLASTX:Soybean
Start	33904	End	34252
GI	none	Score	184
Exons	33904..34047, 33927..34046, 34145..34252, 34159..34251		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96870	Strand	-
Start	26907	End	38166
Name	OJ000211_14.0323.C8.o1.tc	Method	TBLASTX:Cress
Start	36107	End	36513
GI	none	Score	101
Exons	36107..36205, 36315..36503, 36322..36504, 36334..36513		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96870	Strand	-
Start	26907	End	38166
Name	OJ000211_14.0323.C8.o3.tc	Method	TBLASTX:Cress
Start	36886	End	38046
GI	none	Score	96
Exons	36886..36978, 36886..36984, 37639..37845, 37639..37848, 37945..38046		

Seq. No.	45746	Seq. ID	OJ000211_14.0323.C8
Gene No.	96870	Strand	-
Start	26907	End	38166
Name	OJ000211_14.0323.C8.o3.tm	Method	TBLASTX:Maize
Start	37792	End	38166
GI	none	Score	74
Exons	37792..37845, 37794..37844, 37950..38162, 37951..38166		

Seq. No.	45747	Seq. ID	OJ000211_14.0323.C9
Gene No.	96871	Strand	+
Start	1	End	1648
Name	OJ000211_14.0323.C9.o1.np	Method	AAT/NAP
Start	1	End	1373
GI	2335108	Score	434
Exons	1..198, 324..375, 460..546, 844..977, 1142..1373		
GI Descrip.	(AC002339) putative zinc protease [Arabidopsis thaliana]		

Seq. No.	45747	Seq. ID	OJ000211_14.0323.C9
Gene No.	96871	Strand	+

Start	1	End	1648
Name	OJ000211_14.0323.C9.o2.np	Method	AAT/NAP
Start	1	End	1376
GI	6706417	Score	147
Exons	1..44, 1120..1376		
GI Descrip.	(AL133248) putative protein [Arabidopsis thaliana]		

Seq. No.	45747	Seq. ID	OJ000211_14.0323.C9
Gene No.	96871	Strand	+
Start	1	End	1648
Name	OJ000211_14.0323.C9.o1.ts	Method	TBLASTX:Soybean
Start	64	End	975
GI	none	Score	142
Exons	64..174, 65..199, 322..375, 463..546, 838..969, 843..971, 847..975, 885..974		

Seq. No.	45747	Seq. ID	OJ000211_14.0323.C9
Gene No.	96871	Strand	+
Start	1	End	1648
Name	OJ000211_14.0323.C9.o1.tm	Method	TBLASTX:Maize
Start	65	End	1648
GI	none	Score	179
Exons	65..199, 65..193, 67..216, 319..375, 321..380, 323..376, 447..539, 457..549, 458..571, 460..546, 838..972, 842..967, 843..968, 844..978, 1128..1388, 1129..1389, 1130..1390, 1187..1387, 1189..1395, 1445..1528, 1601..1648		

Seq. No.	45747	Seq. ID	OJ000211_14.0323.C9
Gene No.	96871	Strand	+
Start	1	End	1648
Name	OJ000211_14.0323.C9.o1.gs	Method	GENSCAN
Start	74	End	1385
GI	none	Score	.84
Exons	74..198, 324..375, 460..546, 844..966, 1131..1385		

Seq. No.	45747	Seq. ID	OJ000211_14.0323.C9
Gene No.	96871	Strand	+
Start	1	End	1648
Name	OJ000211_14.0323.C9.o1.gp	Method	AAT/GAP
Start	813	End	1516
GI	uC-osflcyp067b10a1	Score	945
Exons	813..966, 1131..1516		
GI Descrip.	'2335108 1.0e-23 (AC002339) putative isulinase [Arabidopsis thaliana]'		

Seq. No.	45748	Seq. ID	OJ000211_14.0323.C15
Gene No.	96872	Strand	+
Start	991	End	1139
Name	OJ000211_14.0323.C15.o1.gp	Method	AAT/GAP
Start	991	End	1139
GI	none	Score	261
Exons	991..1139		

Seq. No.	45749	Seq. ID	OJ000211_14.0323.C19
Gene No.	96873	Strand	+
Start	326	End	670
Name	OJ000211_14.0323.C19.o1.gs	Method	GENSCAN

Start	326	End	670
GI	none	Score	.77
Exons	326..481, 612..670		

Seq. No.	45750	Seq. ID	OJ000211_14.0323.C21
Gene No.	96874	Strand	-
Start	375	End	748
Name	OJ000211_14.0323.C21.o1.np	Method	AAT/NAP
Start	375	End	748
GI	5042463	Score	196
Exons	375..542, 591..748		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	45751	Seq. ID	OJ000211_14.0323.C24
Gene No.	96875	Strand	+
Start	153	End	714
Name	OJ000211_14.0323.C24.o1.gs	Method	GENSCAN
Start	153	End	714
GI	none	Score	.76
Exons	153..286, 612..714		

Seq. No.	45751	Seq. ID	OJ000211_14.0323.C24
Gene No.	96876	Strand	+
Start	3674	End	5614
Name	OJ000211_14.0323.C24.o1.np	Method	AAT/NAP
Start	3674	End	4598
GI	5922621	Score	248
Exons	3674..3892, 4465..4598		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016854|dbj|BAA85197.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	45751	Seq. ID	OJ000211_14.0323.C24
Gene No.	96876	Strand	+
Start	3674	End	5614
Name	OJ000211_14.0323.C24.o2.np	Method	AAT/NAP
Start	4180	End	5614
GI	7485337	Score	78
Exons	4180..4263, 5483..5614		
GI Descrip.	hypothetical protein F10M23.290 - Arabidopsis thaliana gi|4455218|emb|CAB36541.1| (AL035440) putative protein [Arabidopsis thaliana] gi|7269548|emb|CAB79550.1| (AL161566) putative protein [Arabidopsis thaliana]		

Seq. No.	45752	Seq. ID	OJ000251_16.0323.C4
Gene No.	96877	Strand	-
Start	1	End	1116
Name	OJ000251_16.0323.C4.o1.np	Method	AAT/NAP
Start	1	End	1116
GI	6691191	Score	365
Exons	1..772, 957..1116		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	45753	Seq. ID	OJ000251_16.0323.C6
Gene No.	96878	Strand	+
Start	1	End	2661
Name	OJ000251_16.0323.C6.o1.np	Method	AAT/NAP

Start	1	End	2661
GI	5852180	Score	420
Exons	1..276, 1126..1183, 2164..2282, 2334..2661		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	45753	Seq. ID	OJ000251_16.0323.C6
Gene No.	96878	Strand	+
Start	1	End	2661
Name	OJ000251_16.0323.C6.o1.gs	Method	GENSCAN
Start	2465	End	2649
GI	none	Score	.99
Exons	2465..2649		

Seq. No.	45753	Seq. ID	OJ000251_16.0323.C6
Gene No.	96879	Strand	-
Start	243	End	309
Name	OJ000251_16.0323.C6.o1.gp	Method	AAT/GAP
Start	243	End	309
GI	4879016	Score	96
Exons	243..309		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	45753	Seq. ID	OJ000251_16.0323.C6
Gene No.	96880	Strand	-
Start	1032	End	1413
Name	OJ000251_16.0323.C6.o2.gp	Method	AAT/GAP
Start	1032	End	1413
GI	uC-osflcyp033a04b1	Score	667
Exons	1032..1413		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	45754	Seq. ID	OJ000251_16.0323.C8
Gene No.	96881	Strand	+
Start	2649	End	3474
Name	OJ000251_16.0323.C8.o1.np	Method	AAT/NAP
Start	2649	End	3474
GI	1353193	Score	655
Exons	2649..3474		
GI Descrip.	O-METHYLTRANSFERASE ZRP4 (OMT) gi|542186|pir||JQ2268 O-methyltransferase (EC 2.1.1.-) - maize gi|404070 (L14063) O-methyltransferase [Zea mays]		

Seq. No.	45754	Seq. ID	OJ000251_16.0323.C8
Gene No.	96881	Strand	+
Start	2649	End	3474
Name	OJ000251_16.0323.C8.o1.tm	Method	TBLASTX:Maize
Start	2664	End	3464
GI	none	Score	89
Exons	2664..2828, 2720..2827, 2835..2933, 2835..2933, 3006..3365, 3069..3392, 3384..3464, 3420..3464		

Seq. No.	45754	Seq. ID	OJ000251_16.0323.C8
Gene No.	96881	Strand	+
Start	2649	End	3474

Name	OJ000251_16.0323.C8.o1.gs	Method	GENSCAN
Start	2757	End	3464
GI	none	Score	.52
Exons	2757..3464		

Seq. No.	45754	Seq. ID	OJ000251_16.0323.C8
Gene No.	96881	Strand	+
Start	2649	End	3474
Name	OJ000251_16.0323.C8.o1.ts	Method	TBLASTX:Soybean
Start	2820	End	3464
GI	none	Score	79
Exons	2820..2906, 3111..3365, 3251..3361, 3420..3464		

Seq. No.	45754	Seq. ID	OJ000251_16.0323.C8
Gene No.	96881	Strand	+
Start	2649	End	3474
Name	OJ000251_16.0323.C8.o1.tw	Method	TBLASTX:Wheat
Start	3075	End	3395
GI	none	Score	297
Exons	3075..3395, 3078..3365		

Seq. No.	45755	Seq. ID	OJ000251_16.0323.C9
Gene No.	96882	Strand	+
Start	1603	End	1755
Name	OJ000251_16.0323.C9.o1.gs	Method	GENSCAN
Start	1603	End	1755
GI	none	Score	.79
Exons	1603..1755		

Seq. No.	45755	Seq. ID	OJ000251_16.0323.C9
Gene No.	96883	Strand	-
Start	1924	End	2193
Name	OJ000251_16.0323.C9.o2.gs	Method	GENSCAN
Start	1924	End	2193
GI	none	Score	.55
Exons	1924..2193		

Seq. No.	45756	Seq. ID	OJ000251_16.0323.C10
Gene No.	96884	Strand	+
Start	56	End	617
Name	OJ000251_16.0323.C10.o1.gs	Method	GENSCAN
Start	56	End	617
GI	none	Score	.48
Exons	56..311, 514..617		

Seq. No.	45757	Seq. ID	OJ000251_16.0323.C11
Gene No.	96885	Strand	+
Start	167	End	1610
Name	OJ000251_16.0323.C11.o1.gs	Method	GENSCAN
Start	167	End	1610
GI	none	Score	.57
Exons	167..368, 1118..1244, 1285..1449, 1451..1610		

Seq. No.	45757	Seq. ID	OJ000251_16.0323.C11
Gene No.	96886	Strand	-
Start	3206	End	4535
Name	OJ000251_16.0323.C11.o2.gs	Method	GENSCAN

Start	3206	End	4527
GI	none	Score	.9
Exons	3206..3272, 4259..4527		

Seq. No.	45757	Seq. ID	OJ000251_16.0323.C11
Gene No.	96886	Strand	-
Start	3206	End	4535
Name	OJ000251_16.0323.C11.o1.tm	Method	TBLASTX:Maize
Start	4234	End	4530
GI	none	Score	242
Exons	4234..4530, 4238..4525		

Seq. No.	45757	Seq. ID	OJ000251_16.0323.C11
Gene No.	96886	Strand	-
Start	3206	End	4535
Name	OJ000251_16.0323.C11.o1.ts	Method	TBLASTX:Soybean
Start	4234	End	4533
GI	none	Score	103
Exons	4234..4371, 4238..4354, 4429..4533, 4459..4533		

Seq. No.	45757	Seq. ID	OJ000251_16.0323.C11
Gene No.	96886	Strand	-
Start	3206	End	4535
Name	OJ000251_16.0323.C11.o1.tw	Method	TBLASTX:Wheat
Start	4234	End	4530
GI	none	Score	81
Exons	4234..4347, 4238..4360, 4417..4530, 4427..4498, 4428..4526, 4456..4530		

Seq. No.	45757	Seq. ID	OJ000251_16.0323.C11
Gene No.	96886	Strand	-
Start	3206	End	4535
Name	OJ000251_16.0323.C11.o1.np	Method	AAT/NAP
Start	4237	End	4535
GI	1353193	Score	402
Exons	4237..4535		
GI Descrip.	O-METHYLTRANSFERASE ZRP4 (OMT) gi|542186|pir||JQ2268 O-methyltransferase (EC 2.1.1.-) - maize gi|404070 (L14063) O-methyltransferase [Zea mays]		

Seq. No.	45758	Seq. ID	OJ000251_16.0323.C12
Gene No.	96887	Strand	-
Start	1	End	648
Name	OJ000251_16.0323.C12.o1.np	Method	AAT/NAP
Start	1	End	574
GI	6006359	Score	72
Exons	1..53, 475..574		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	45758	Seq. ID	OJ000251_16.0323.C12
Gene No.	96887	Strand	-
Start	1	End	648
Name	OJ000251_16.0323.C12.o1.gs	Method	GENSCAN
Start	418	End	648
GI	none	Score	.87
Exons	418..648		

Seq. No.	45759	Seq. ID	OJ000251_16.0323.C13
Gene No.	96888	Strand	+
Start	524	End	794
Name	OJ000251_16.0323.C13.o1.np	Method	AAT/NAP
Start	524	End	794
GI	6942015	Score	239
Exons	524..680, 714..794		
GI Descrip.	(AF216531) extensin-like proline-rich protein RiP-5 [Oryza sativa]		

Seq. No.	45759	Seq. ID	OJ000251_16.0323.C13
Gene No.	96889	Strand	+
Start	1341	End	2025
Name	OJ000251_16.0323.C13.o2.gs	Method	GENSCAN
Start	1341	End	2025
GI	none	Score	.85
Exons	1341..1346, 1897..2025		

Seq. No.	45759	Seq. ID	OJ000251_16.0323.C13
Gene No.	96890	Strand	-
Start	1914	End	2038
Name	OJ000251_16.0323.C13.o2.np	Method	AAT/NAP
Start	1914	End	2038
GI	7340920	Score	145
Exons	1914..2038		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	45760	Seq. ID	OJ000251_16.0323.C14
Gene No.	96891	Strand	+
Start	1	End	980
Name	OJ000251_16.0323.C14.o1.np	Method	AAT/NAP
Start	1	End	980
GI	1353193	Score	368
Exons	1..67, 668..980		
GI Descrip.	O-METHYLTRANSFERASE ZRP4 (OMT) gi|542186|pir||JQ2268 O-methyltransferase (EC 2.1.1.-) - maize gi|404070 (L14063) O-methyltransferase [Zea mays]		

Seq. No.	45760	Seq. ID	OJ000251_16.0323.C14
Gene No.	96891	Strand	+
Start	1	End	980
Name	OJ000251_16.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	669	End	980
GI	none	Score	97
Exons	669..758, 681..788, 846..980, 863..979		

Seq. No.	45760	Seq. ID	OJ000251_16.0323.C14
Gene No.	96891	Strand	+
Start	1	End	980
Name	OJ000251_16.0323.C14.o1.tw	Method	TBLASTX:Wheat
Start	669	End	980
GI	none	Score	107
Exons	669..761, 681..800, 687..770, 691..789, 719..790, 857..979, 870..980		

Seq. No.	45760	Seq. ID	OJ000251_16.0323.C14
Gene No.	96891	Strand	+

Start	1	End	980
Name	OJ000251_16.0323.C14.o1.gs	Method	GENSCAN
Start	684	End	896
GI	none	Score	.66
Exons	684..896		

Seq. No.	45760	Seq. ID	OJ000251_16.0323.C14
Gene No.	96891	Strand	+
Start	1	End	980
Name	OJ000251_16.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	687	End	980
GI	none	Score	314
Exons	687..980, 687..977, 692..979		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-
Start	437	End	3620
Name	OJ000251_16.0323.C16.o1.np	Method	AAT/NAP
Start	437	End	3620
GI	4680179	Score	5411
Exons	437..3620		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-
Start	437	End	3620
Name	OJ000251_16.0323.C16.o6.tm	Method	TBLASTX:Maize
Start	461	End	658
GI	none	Score	197
Exons	461..658		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-
Start	437	End	3620
Name	OJ000251_16.0323.C16.o6.tw	Method	TBLASTX:Wheat
Start	482	End	815
GI	none	Score	104
Exons	482..814, 606..815		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-
Start	437	End	3620
Name	OJ000251_16.0323.C16.o1.tm	Method	TBLASTX:Maize
Start	662	End	1261
GI	none	Score	234
Exons	662..1102, 675..1100, 1100..1261, 1107..1253		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-
Start	437	End	3620
Name	OJ000251_16.0323.C16.o1.tw	Method	TBLASTX:Wheat
Start	815	End	1441
GI	none	Score	356
Exons	815..1441, 816..1439		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-

Start	437	End	3620
Name	OJ000251_16.0323.C16.o3.tm	Method	TBLASTX:Maize
Start	1310	End	1601
GI	none	Score	232
Exons	1310..1600, 1314..1601		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-
Start	437	End	3620
Name	OJ000251_16.0323.C16.o2.ts	Method	TBLASTX:Soybean
Start	1400	End	1660
GI	none	Score	151
Exons	1400..1660, 1401..1655		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-
Start	437	End	3620
Name	OJ000251_16.0323.C16.o1.tc	Method	TBLASTX:Cress
Start	1424	End	1741
GI	none	Score	81
Exons	1424..1567, 1425..1565, 1568..1741		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-
Start	437	End	3620
Name	OJ000251_16.0323.C16.o3.tw	Method	TBLASTX:Wheat
Start	1448	End	1927
GI	none	Score	237
Exons	1448..1927, 1449..1703, 1454..1894		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-
Start	437	End	3620
Name	OJ000251_16.0323.C16.o2.tw	Method	TBLASTX:Wheat
Start	1931	End	2440
GI	none	Score	238
Exons	1931..2440, 2015..2362, 2097..2408		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-
Start	437	End	3620
Name	OJ000251_16.0323.C16.o2.tm	Method	TBLASTX:Maize
Start	2003	End	2368
GI	none	Score	155
Exons	2003..2314, 2010..2207, 2015..2368, 2100..2366		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-
Start	437	End	3620
Name	OJ000251_16.0323.C16.o3.ts	Method	TBLASTX:Soybean
Start	2189	End	2416
GI	none	Score	198
Exons	2189..2416		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-
Start	437	End	3620

Name	OJ000251_16.0323.C16.o4.tm	Method	TBLASTX:Maize
Start	2405	End	2905
GI	none	Score	64
Exons	2405..2740, 2450..2653, 2726..2905		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-
Start	437	End	3620
Name	OJ000251_16.0323.C16.o5.tw	Method	TBLASTX:Wheat
Start	2441	End	2743
GI	none	Score	252
Exons	2441..2743, 2442..2723, 2641..2742		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-
Start	437	End	3620
Name	OJ000251_16.0323.C16.o1.ts	Method	TBLASTX:Soybean
Start	2456	End	2851
GI	none	Score	176
Exons	2456..2815, 2457..2720, 2735..2815, 2807..2851, 2819..2851		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-
Start	437	End	3620
Name	OJ000251_16.0323.C16.o4.tw	Method	TBLASTX:Wheat
Start	2792	End	3274
GI	none	Score	239
Exons	2792..3274, 2835..3170		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-
Start	437	End	3620
Name	OJ000251_16.0323.C16.o5.tm	Method	TBLASTX:Maize
Start	2973	End	3262
GI	none	Score	154
Exons	2973..3164, 2975..3262		

Seq. No.	45761	Seq. ID	OJ000251_16.0323.C16
Gene No.	96892	Strand	-
Start	437	End	3620
Name	OJ000251_16.0323.C16.o7.tw	Method	TBLASTX:Wheat
Start	3278	End	3619
GI	none	Score	49
Exons	3278..3373, 3279..3356, 3413..3619		

Seq. No.	45762	Seq. ID	OJ000251_16.0323.C17
Gene No.	96893	Strand	+
Start	1988	End	4124
Name	OJ000251_16.0323.C17.o3.np	Method	AAT/NAP
Start	1988	End	4124
GI	6063554	Score	148
Exons	1988..2042, 3952..4124		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	45762	Seq. ID	OJ000251_16.0323.C17

Gene No.	96894	Strand	+
Start	5290	End	6652
Name	OJ000251_16.0323.C17.o4.np	Method	AAT/NAP
Start	5290	End	6652
GI	5852179	Score	269
Exons	5290..5310, 6138..6346, 6421..6652		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	45762	Seq. ID	OJ000251_16.0323.C17
Gene No.	96895	Strand	-
Start	1	End	2607
Name	OJ000251_16.0323.C17.o1.np	Method	AAT/NAP
Start	1	End	1206
GI	4680179	Score	2043
Exons	1..1206		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	45762	Seq. ID	OJ000251_16.0323.C17
Gene No.	96895	Strand	-
Start	1	End	2607
Name	OJ000251_16.0323.C17.o1.gs	Method	GENSCAN
Start	10	End	2607
GI	none	Score	.68
Exons	10..566, 732..1206, 1521..1669, 1693..2386, 2596..2607		

Seq. No.	45762	Seq. ID	OJ000251_16.0323.C17
Gene No.	96895	Strand	-
Start	1	End	2607
Name	OJ000251_16.0323.C17.o2.np	Method	AAT/NAP
Start	1458	End	2320
GI	5042448	Score	1262
Exons	1458..2320		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	45762	Seq. ID	OJ000251_16.0323.C17
Gene No.	96896	Strand	-
Start	5055	End	9189
Name	OJ000251_16.0323.C17.o1.tm	Method	TBLASTX:Maize
Start	367	End	700
GI	none	Score	113
Exons	367..699, 415..699, 512..700		

Seq. No.	45762	Seq. ID	OJ000251_16.0323.C17
Gene No.	96896	Strand	-
Start	5055	End	9189
Name	OJ000251_16.0323.C17.o1.tw	Method	TBLASTX:Wheat
Start	580	End	943
GI	none	Score	100
Exons	580..939, 581..814, 839..943		

Seq. No.	45762	Seq. ID	OJ000251_16.0323.C17
Gene No.	96896	Strand	-
Start	5055	End	9189
Name	OJ000251_16.0323.C17.o5.np	Method	AAT/NAP
Start	5055	End	9189
GI	7106512	Score	73

Exons	5055..5143, 9125..9189		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	45763	Seq. ID	OJ000251_16.0323.C18
Gene No.	96897	Strand	-
Start	1473	End	5401
Name	OJ000251_16.0323.C18.o1.np	Method	AAT/NAP
Start	1473	End	5401
GI	7248395	Score	1682
Exons	1473..1910, 2045..2189, 2387..3249, 4067..4626, 5365..5401		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		
Seq. No.	45764	Seq. ID	OJ000251_16.0323.C19
Gene No.	96898	Strand	+
Start	1732	End	2235
Name	OJ000251_16.0323.C19.o1.gs	Method	GENSCAN
Start	1732	End	2235
GI	none	Score	.55
Exons	1732..1822, 2001..2235		
Seq. No.	45764	Seq. ID	OJ000251_16.0323.C19
Gene No.	96899	Strand	-
Start	1	End	523
Name	OJ000251_16.0323.C19.o1.np	Method	AAT/NAP
Start	1	End	523
GI	7106512	Score	195
Exons	1..181, 281..390, 464..523		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	45764	Seq. ID	OJ000251_16.0323.C19
Gene No.	96900	Strand	-
Start	3184	End	4770
Name	OJ000251_16.0323.C19.o2.gs	Method	GENSCAN
Start	3184	End	4770
GI	none	Score	.87
Exons	3184..3194, 4123..4267, 4535..4582, 4595..4770		
Seq. No.	45765	Seq. ID	OJ000251_16.0323.C21
Gene No.	96901	Strand	+
Start	1	End	1552
Name	OJ000251_16.0323.C21.o1.np	Method	AAT/NAP
Start	1	End	1552
GI	5724766	Score	223
Exons	1..70, 394..885, 1482..1552		
GI Descrip.	(AF160181) contains similarity to retroviral intergrases; may be a pseudogene [Arabidopsis thaliana]		
Seq. No.	45765	Seq. ID	OJ000251_16.0323.C21
Gene No.	96901	Strand	+
Start	1	End	1552
Name	OJ000251_16.0323.C21.o1.tw	Method	TBLASTX:Wheat
Start	590	End	948
GI	none	Score	185
Exons	590..868, 612..884, 886..948		

Seq. No.	45766	Seq. ID	OJ000251_16.0323.C36
Gene No.	96902	Strand	+
Start	1	End	1788
Name	OJ000251_16.0323.C36.o1.np	Method	AAT/NAP
Start	1	End	1788
GI	5042454	Score	931
Exons	1..268, 900..1422, 1734..1788		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	45766	Seq. ID	OJ000251_16.0323.C36
Gene No.	96902	Strand	+
Start	1	End	1788
Name	OJ000251_16.0323.C36.o1.gs	Method	GENSCAN
Start	57	End	269
GI	none	Score	.52
Exons	57..269		

Seq. No.	45766	Seq. ID	OJ000251_16.0323.C36
Gene No.	96902	Strand	+
Start	1	End	1788
Name	OJ000251_16.0323.C36.o1.gp	Method	AAT/GAP
Start	409	End	866
GI	2428323	Score	644
Exons	409..866		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	45766	Seq. ID	OJ000251_16.0323.C36
Gene No.	96903	Strand	-
Start	874	End	1723
Name	OJ000251_16.0323.C36.o1.tm	Method	TBLASTX:Maize
Start	125	End	269
GI	none	Score	180
Exons	125..265, 126..269		

Seq. No.	45766	Seq. ID	OJ000251_16.0323.C36
Gene No.	96903	Strand	-
Start	874	End	1723
Name	OJ000251_16.0323.C36.o2.gs	Method	GENSCAN
Start	874	End	1723
GI	none	Score	.57
Exons	874..1037, 1085..1178, 1211..1723		

Seq. No.	45766	Seq. ID	OJ000251_16.0323.C36
Gene No.	96903	Strand	-
Start	874	End	1723
Name	OJ000251_16.0323.C36.o1.tw	Method	TBLASTX:Wheat
Start	1256	End	1552
GI	none	Score	255
Exons	1256..1552, 1316..1459, 1384..1548		

Seq. No.	45767	Seq. ID	OJ000251_16.0323.C37
Gene No.	96904	Strand	-
Start	1	End	1912
Name	OJ000251_16.0323.C37.o1.np	Method	AAT/NAP
Start	1	End	1912
GI	6907087	Score	295

Exons	1..240, 1384..1912		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	45767	Seq. ID	OJ000251_16.0323.C37
Gene No.	96904	Strand	-
Start	1	End	1912
Name	OJ000251_16.0323.C37.o1.gs	Method	GENSCAN
Start	1067	End	1756
GI	none	Score	.79
Exons	1067..1201, 1382..1756		
Seq. No.	45768	Seq. ID	OJ000251_16.0323.C38
Gene No.	96905	Strand	+
Start	1	End	1824
Name	OJ000251_16.0323.C38.o1.np	Method	AAT/NAP
Start	1	End	1506
GI	5922620	Score	121
Exons	1..270, 313..466, 504..572, 1364..1506		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	45768	Seq. ID	OJ000251_16.0323.C38
Gene No.	96905	Strand	+
Start	1	End	1824
Name	OJ000251_16.0323.C38.o1.gs	Method	GENSCAN
Start	106	End	1824
GI	none	Score	.79
Exons	106..239, 1745..1824		
Seq. No.	45768	Seq. ID	OJ000251_16.0323.C38
Gene No.	96906	Strand	+
Start	4484	End	4733
Name	OJ000251_16.0323.C38.o2.gs	Method	GENSCAN
Start	4484	End	4733
GI	none	Score	.67
Exons	4484..4586, 4588..4733		
Seq. No.	45768	Seq. ID	OJ000251_16.0323.C38
Gene No.	96907	Strand	-
Start	1091	End	1509
Name	OJ000251_16.0323.C38.o2.np	Method	AAT/NAP
Start	1091	End	1509
GI	6539570	Score	87
Exons	1091..1156, 1317..1509		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	45768	Seq. ID	OJ000251_16.0323.C38
Gene No.	96908	Strand	-
Start	2208	End	4300
Name	OJ000251_16.0323.C38.o3.np	Method	AAT/NAP
Start	2208	End	4300
GI	7523517	Score	326

Exons	2208..2316, 4001..4300		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	45769	Seq. ID	OJ000251_16.0323.C39
Gene No.	96909	Strand	+
Start	1	End	5199
Name	OJ000251_16.0323.C39.o1.np	Method	AAT/NAP
Start	1	End	617
GI	6907089	Score	291
Exons	1..617		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	45769	Seq. ID	OJ000251_16.0323.C39
Gene No.	96909	Strand	+
Start	1	End	5199
Name	OJ000251_16.0323.C39.o5.np	Method	AAT/NAP
Start	125	End	5196
GI	7489738	Score	2381
Exons	125..181, 2398..2438, 2966..5196		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi|4234852|gb|AAD12997.1| (AF082133) gag-pol polyprotein [Zea mays]		
Seq. No.	45769	Seq. ID	OJ000251_16.0323.C39
Gene No.	96909	Strand	+
Start	1	End	5199
Name	OJ000251_16.0323.C39.o2.np	Method	AAT/NAP
Start	452	End	1927
GI	6721558	Score	132
Exons	452..550, 710..834, 1460..1549, 1806..1927		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	45769	Seq. ID	OJ000251_16.0323.C39
Gene No.	96909	Strand	+
Start	1	End	5199
Name	OJ000251_16.0323.C39.o1.gs	Method	GENSCAN
Start	471	End	2833
GI	none	Score	.49
Exons	471..543, 647..834, 902..1093, 1164..1222, 1296..1435, 1509..1912, 1944..1997, 2456..2833		
Seq. No.	45769	Seq. ID	OJ000251_16.0323.C39
Gene No.	96909	Strand	+
Start	1	End	5199
Name	OJ000251_16.0323.C39.o4.np	Method	AAT/NAP
Start	669	End	3006
GI	4234846	Score	87
Exons	669..718, 2811..3006		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		
Seq. No.	45769	Seq. ID	OJ000251_16.0323.C39
Gene No.	96909	Strand	+
Start	1	End	5199
Name	OJ000251_16.0323.C39.o3.np	Method	AAT/NAP
Start	838	End	2039

GI	6721561	Score	1143
Exons	838..1093, 1164..1222, 1296..2039		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	45769	Seq. ID	OJ000251_16.0323.C39
Gene No.	96909	Strand	+
Start	1	End	5199
Name	OJ000251_16.0323.C39.o2.gs	Method	GENSCAN
Start	3443	End	5199
GI	none	Score	.71
Exons	3443..3696, 3921..4318, 4850..5199		

Seq. No.	45769	Seq. ID	OJ000251_16.0323.C39
Gene No.	96909	Strand	+
Start	1	End	5199
Name	OJ000251_16.0323.C39.o1.ts	Method	TBLASTX:Soybean
Start	3724	End	4119
GI	5509260	Score	291
Exons	3724..4119, 3771..4043, 4086..4118		
GI Descrip.	-		

Seq. No.	45769	Seq. ID	OJ000251_16.0323.C39
Gene No.	96909	Strand	+
Start	1	End	5199
Name	OJ000251_16.0323.C39.o1.tc	Method	TBLASTX:Cress
Start	3769	End	4020
GI	none	Score	202
Exons	3769..4020, 3771..3893		

Seq. No.	45769	Seq. ID	OJ000251_16.0323.C39
Gene No.	96909	Strand	+
Start	1	End	5199
Name	OJ000251_16.0323.C39.o1.tw	Method	TBLASTX:Wheat
Start	3810	End	4590
GI	none	Score	331
Exons	3810..4157, 3811..4155, 3931..4164, 4140..4427, 4141..4590, 4488..4586		

Seq. No.	45769	Seq. ID	OJ000251_16.0323.C39
Gene No.	96909	Strand	+
Start	1	End	5199
Name	OJ000251_16.0323.C39.o1.tm	Method	TBLASTX:Maize
Start	3949	End	4344
GI	none	Score	261
Exons	3949..4344		

Seq. No.	45769	Seq. ID	OJ000251_16.0323.C39
Gene No.	96909	Strand	+
Start	1	End	5199
Name	OJ000251_16.0323.C39.o2.tm	Method	TBLASTX:Maize
Start	4390	End	4686
GI	none	Score	238
Exons	4390..4686, 4530..4592, 4638..4685		

Seq. No.	45769	Seq. ID	OJ000251_16.0323.C39
Gene No.	96909	Strand	+
Start	1	End	5199
Name	OJ000251_16.0323.C39.o2.tw	Method	TBLASTX:Wheat
Start	4746	End	5142
GI	none	Score	60
Exons	4746..4979, 4748..4954, 4750..5142		

Seq. No.	45770	Seq. ID	OJ000251_16.0323.C40
Gene No.	96910	Strand	+
Start	2332	End	2465
Name	OJ000251_16.0323.C40.o1.np	Method	AAT/NAP
Start	2332	End	2465
GI	6539553	Score	171
Exons	2332..2465		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	45770	Seq. ID	OJ000251_16.0323.C40
Gene No.	96911	Strand	-
Start	126	End	1789
Name	OJ000251_16.0323.C40.o1.gs	Method	GENSCAN
Start	126	End	1789
GI	none	Score	.62
Exons	126..359, 1699..1789		

Seq. No.	45771	Seq. ID	OJ000251_16.0323.C41
Gene No.	96912	Strand	+
Start	1	End	950
Name	OJ000251_16.0323.C41.o1.np	Method	AAT/NAP
Start	1	End	950
GI	6539553	Score	1524
Exons	1..950		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	45771	Seq. ID	OJ000251_16.0323.C41
Gene No.	96912	Strand	+
Start	1	End	950
Name	OJ000251_16.0323.C41.o1.gs	Method	GENSCAN
Start	225	End	705
GI	none	Score	.53
Exons	225..523, 636..705		

Seq. No.	45771	Seq. ID	OJ000251_16.0323.C41
Gene No.	96912	Strand	+
Start	1	End	950
Name	OJ000251_16.0323.C41.o1.tm	Method	TBLASTX:Maize
Start	621	End	936
GI	none	Score	397
Exons	621..935, 641..934, 745..936		

Seq. No.	45772	Seq. ID	OJ000251_16.0323.C43
Gene No.	96913	Strand	-
Start	1539	End	1974
Name	OJ000251_16.0323.C43.o1.np	Method	AAT/NAP
Start	1539	End	1974
GI	4680185	Score	498
Exons	1539..1974		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	45773	Seq. ID	OJ000251_16.0323.C44
Gene No.	96914	Strand	+
Start	349	End	593
Name	OJ000251_16.0323.C44.o1.gp	Method	AAT/GAP
Start	349	End	593
GI	uC-osf1cyp033a04b1	Score	414
Exons	349..593		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	45773	Seq. ID	OJ000251_16.0323.C44
Gene No.	96915	Strand	-
Start	282	End	482
Name	OJ000251_16.0323.C44.o1.np	Method	AAT/NAP
Start	282	End	482
GI	4680186	Score	326
Exons	282..482		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	45774	Seq. ID	OJ000251_16.0323.C49
Gene No.	96916	Strand	-
Start	1	End	468
Name	OJ000251_16.0323.C49.o1.np	Method	AAT/NAP
Start	1	End	370
GI	7489737	Score	250
Exons	1..370		
GI Descrip.	gag protein homolog - maize retrotransposon Opie-2 gi|3645898|gb|AAC49501.1| (U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	45774	Seq. ID	OJ000251_16.0323.C49
Gene No.	96916	Strand	-
Start	1	End	468
Name	OJ000251_16.0323.C49.o1.gs	Method	GENSCAN
Start	18	End	468
GI	none	Score	1
Exons	18..468		

Seq. No.	45775	Seq. ID	OJ000251_16.0323.C50
Gene No.	96917	Strand	+
Start	1	End	821
Name	OJ000251_16.0323.C50.o1.np	Method	AAT/NAP
Start	1	End	821
GI	7340881	Score	138
Exons	1..170, 550..686, 792..821		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	45776	Seq. ID	OJ000251_16.0323.C52

Gene No.	96918	Strand	-
Start	1	End	1620
Name	OJ000251_16.0323.C52.o1.np	Method	AAT/NAP
Start	1	End	1620
GI	6539553	Score	2544
Exons	1..1620		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	45776	Seq. ID	OJ000251_16.0323.C52
Gene No.	96918	Strand	-
Start	1	End	1620
Name	OJ000251_16.0323.C52.o1.tw	Method	TBLASTX:Wheat
Start	30	End	489
GI	none	Score	319
Exons	30..398, 31..399, 40..399, 408..488, 414..488, 442..489		

Seq. No.	45776	Seq. ID	OJ000251_16.0323.C52
Gene No.	96918	Strand	-
Start	1	End	1620
Name	OJ000251_16.0323.C52.o1.gs	Method	GENSCAN
Start	87	End	410
GI	none	Score	.71
Exons	87..410		

Seq. No.	45776	Seq. ID	OJ000251_16.0323.C52
Gene No.	96918	Strand	-
Start	1	End	1620
Name	OJ000251_16.0323.C52.o3.ts	Method	TBLASTX:Soybean
Start	126	End	494
GI	none	Score	91
Exons	126..350, 369..494		

Seq. No.	45776	Seq. ID	OJ000251_16.0323.C52
Gene No.	96918	Strand	-
Start	1	End	1620
Name	OJ000251_16.0323.C52.o2.tm	Method	TBLASTX:Maize
Start	345	End	623
GI	none	Score	144
Exons	345..578, 346..573, 360..623		

Seq. No.	45776	Seq. ID	OJ000251_16.0323.C52
Gene No.	96918	Strand	-
Start	1	End	1620
Name	OJ000251_16.0323.C52.o2.ts	Method	TBLASTX:Soybean
Start	495	End	841
GI	none	Score	127
Exons	495..635, 634..840, 635..841		

Seq. No.	45776	Seq. ID	OJ000251_16.0323.C52
Gene No.	96918	Strand	-
Start	1	End	1620
Name	OJ000251_16.0323.C52.o2.tw	Method	TBLASTX:Wheat
Start	694	End	1239
GI	none	Score	49

Exons	694..879, 704..853, 724..873, 895..1239		
Seq. No.	45776	Seq. ID	OJ000251_16.0323.C52
Gene No.	96918	Strand	-
Start	1	End	1620
Name	OJ000251_16.0323.C52.o1.tm	Method	TBLASTX:Maize
Start	775	End	1239
GI	none	Score	61
Exons	775..1239, 878..988, 922..1104		
Seq. No.	45776	Seq. ID	OJ000251_16.0323.C52
Gene No.	96918	Strand	-
Start	1	End	1620
Name	OJ000251_16.0323.C52.o1.ts	Method	TBLASTX:Soybean
Start	910	End	1374
GI	5509260	Score	63
Exons	910..1374, 929..988, 931..1098		
GI Descrip.	-		
Seq. No.	45776	Seq. ID	OJ000251_16.0323.C52
Gene No.	96918	Strand	-
Start	1	End	1620
Name	OJ000251_16.0323.C52.o1.tc	Method	TBLASTX:Cress
Start	1021	End	1281
GI	none	Score	255
Exons	1021..1281		
Seq. No.	45776	Seq. ID	OJ000251_16.0323.C52
Gene No.	96918	Strand	-
Start	1	End	1620
Name	OJ000251_16.0323.C52.o2.gs	Method	GENSCAN
Start	1024	End	1608
GI	none	Score	.93
Exons	1024..1608		
Seq. No.	45776	Seq. ID	OJ000251_16.0323.C52
Gene No.	96918	Strand	-
Start	1	End	1620
Name	OJ000251_16.0323.C52.o3.tw	Method	TBLASTX:Wheat
Start	1294	End	1542
GI	none	Score	197
Exons	1294..1542, 1294..1533		
Seq. No.	45777	Seq. ID	OJ000251_16.0323.C55
Gene No.	96919	Strand	+
Start	7478	End	8504
Name	OJ000251_16.0323.C55.o2.np	Method	AAT/NAP
Start	7478	End	8504
GI	6721562	Score	1602
Exons	7478..8504		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		
Seq. No.	45777	Seq. ID	OJ000251_16.0323.C55

Gene No.	96920	Strand	-
Start	1	End	3224
Name	OJ000251_16.0323.C55.o1.np	Method	AAT/NAP
Start	1	End	2389
GI	4680179	Score	2538
Exons	1..1330, 1358..2389		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	45777	Seq. ID	OJ000251_16.0323.C55
Gene No.	96920	Strand	-
Start	1	End	3224
Name	OJ000251_16.0323.C55.o1.ts	Method	TBLASTX:Soybean
Start	1	End	339
GI	none	Score	158
Exons	1..195, 5..187, 250..303, 260..301, 307..339, 307..339		

Seq. No.	45777	Seq. ID	OJ000251_16.0323.C55
Gene No.	96920	Strand	-
Start	1	End	3224
Name	OJ000251_16.0323.C55.o4.tw	Method	TBLASTX:Wheat
Start	1	End	192
GI	none	Score	201
Exons	1..192, 2..190		

Seq. No.	45777	Seq. ID	OJ000251_16.0323.C55
Gene No.	96920	Strand	-
Start	1	End	3224
Name	OJ000251_16.0323.C55.o3.tm	Method	TBLASTX:Maize
Start	4	End	195
GI	none	Score	100
Exons	4..195, 14..142		

Seq. No.	45777	Seq. ID	OJ000251_16.0323.C55
Gene No.	96920	Strand	-
Start	1	End	3224
Name	OJ000251_16.0323.C55.o1.gs	Method	GENSCAN
Start	11	End	3224
GI	none	Score	.6
Exons	11..520, 656..2346, 2739..3224		

Seq. No.	45777	Seq. ID	OJ000251_16.0323.C55
Gene No.	96920	Strand	-
Start	1	End	3224
Name	OJ000251_16.0323.C55.o1.tm	Method	TBLASTX:Maize
Start	250	End	697
GI	none	Score	108
Exons	250..693, 260..697		

Seq. No.	45777	Seq. ID	OJ000251_16.0323.C55
Gene No.	96920	Strand	-
Start	1	End	3224
Name	OJ000251_16.0323.C55.o1.tw	Method	TBLASTX:Wheat
Start	280	End	763
GI	none	Score	223
Exons	280..762, 283..738, 323..763		

Seq. No.	45777	Seq. ID	OJ000251_16.0323.C55

Gene No.	96920	Strand	-
Start	1	End	3224
Name	OJ000251_16.0323.C55.o2.ts	Method	TBLASTX:Soybean
Start	412	End	726
GI	none	Score	184
Exons	412..726		

Seq. No.	45777	Seq. ID	OJ000251_16.0323.C55
Gene No.	96920	Strand	-
Start	1	End	3224
Name	OJ000251_16.0323.C55.o5.tw	Method	TBLASTX:Wheat
Start	895	End	1248
GI	none	Score	259
Exons	895..1248		

Seq. No.	45777	Seq. ID	OJ000251_16.0323.C55
Gene No.	96920	Strand	-
Start	1	End	3224
Name	OJ000251_16.0323.C55.o2.tw	Method	TBLASTX:Wheat
Start	1582	End	1935
GI	none	Score	78
Exons	1582..1932, 1738..1935		

Seq. No.	45777	Seq. ID	OJ000251_16.0323.C55
Gene No.	96920	Strand	-
Start	1	End	3224
Name	OJ000251_16.0323.C55.o2.tm	Method	TBLASTX:Maize
Start	1594	End	1932
GI	none	Score	85
Exons	1594..1932, 1723..1932		

Seq. No.	45777	Seq. ID	OJ000251_16.0323.C55
Gene No.	96920	Strand	-
Start	1	End	3224
Name	OJ000251_16.0323.C55.o6.tw	Method	TBLASTX:Wheat
Start	1984	End	2182
GI	none	Score	126
Exons	1984..2166, 1985..2182		

Seq. No.	45777	Seq. ID	OJ000251_16.0323.C55
Gene No.	96921	Strand	
Start	8132	End	8490
Name	OJ000251_16.0323.C55.o3.tw	Method	TBLASTX:Wheat
Start	8132	End	8490
GI	none	Score	51
Exons	8132..8179, 8186..8284, 8191..8283, 8251..8490, 8267..8488		

Seq. No.	45777	Seq. ID	OJ000251_16.0323.C55
Gene No.	96921	Strand	
Start	8132	End	8490
Name	OJ000251_16.0323.C55.o4.tm	Method	TBLASTX:Maize
Start	8137	End	8422
GI	none	Score	185
Exons	8137..8421, 8174..8422		

Seq. No.	45778	Seq. ID	OJ000251_16.0323.C56
Gene No.	96922	Strand	-

Start	646	End	2496
Name	OJ000251_16.0323.C56.o1.np	Method	AAT/NAP
Start	646	End	2496
GI	4680179	Score	2779
Exons	646..2496		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	45778	Seq. ID	OJ000251_16.0323.C56
Gene No.	96922	Strand	-
Start	646	End	2496
Name	OJ000251_16.0323.C56.o4.tw	Method	TBLASTX:Wheat
Start	691	End	1024
GI	none	Score	145
Exons	691..1023, 743..1024		

Seq. No.	45778	Seq. ID	OJ000251_16.0323.C56
Gene No.	96922	Strand	-
Start	646	End	2496
Name	OJ000251_16.0323.C56.o1.tm	Method	TBLASTX:Maize
Start	886	End	1471
GI	none	Score	104
Exons	886..1311, 887..1084, 907..1149, 1151..1312, 1309..1470, 1316..1471		

Seq. No.	45778	Seq. ID	OJ000251_16.0323.C56
Gene No.	96922	Strand	-
Start	646	End	2496
Name	OJ000251_16.0323.C56.o1.tw	Method	TBLASTX:Wheat
Start	1024	End	1650
GI	none	Score	44
Exons	1024..1650, 1025..1084, 1145..1594		

Seq. No.	45778	Seq. ID	OJ000251_16.0323.C56
Gene No.	96922	Strand	-
Start	646	End	2496
Name	OJ000251_16.0323.C56.o2.tm	Method	TBLASTX:Maize
Start	1519	End	1810
GI	none	Score	304
Exons	1519..1809, 1523..1810, 1523..1810		

Seq. No.	45778	Seq. ID	OJ000251_16.0323.C56
Gene No.	96922	Strand	-
Start	646	End	2496
Name	OJ000251_16.0323.C56.o1.ts	Method	TBLASTX:Soybean
Start	1609	End	1869
GI	none	Score	187
Exons	1609..1869, 1610..1858		

Seq. No.	45778	Seq. ID	OJ000251_16.0323.C56
Gene No.	96922	Strand	-
Start	646	End	2496
Name	OJ000251_16.0323.C56.o1.tc	Method	TBLASTX:Cress
Start	1633	End	1959
GI	none	Score	87
Exons	1633..1776, 1634..1774, 1777..1959		

Seq. No.	45778	Seq. ID	OJ000251_16.0323.C56

Gene No.	96922	Strand	-
Start	646	End	2496
Name	OJ000251_16.0323.C56.o2.tw	Method	TBLASTX:Wheat
Start	1656	End	2196
GI	none	Score	142
Exons	1656..1904, 1657..2196, 1661..2014		

Seq. No.	45778	Seq. ID	OJ000251_16.0323.C56
Gene No.	96922	Strand	-
Start	646	End	2496
Name	OJ000251_16.0323.C56.o3.tm	Method	TBLASTX:Maize
Start	2224	End	2496
GI	none	Score	147
Exons	2224..2496, 2231..2479		

Seq. No.	45778	Seq. ID	OJ000251_16.0323.C56
Gene No.	96922	Strand	-
Start	646	End	2496
Name	OJ000251_16.0323.C56.o3.tw	Method	TBLASTX:Wheat
Start	2224	End	2496
GI	none	Score	200
Exons	2224..2496, 2231..2494		

Seq. No.	45779	Seq. ID	OJ000211_13.0322.C1
Gene No.	96923	Strand	+
Start	1	End	710
Name	OJ000211_13.0322.C1.o1.np	Method	AAT/NAP
Start	1	End	710
GI	5852093	Score	59
Exons	1..160, 688..710		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	45780	Seq. ID	OJ000211_13.0322.C2
Gene No.	96924	Strand	-
Start	1	End	2471
Name	OJ000211_13.0322.C2.o1.np	Method	AAT/NAP
Start	1	End	2471
GI	7106544	Score	533
Exons	1..280, 1548..1649, 1969..2180, 2274..2471		
GI Descrip.	(AB038694) ATMPK9 [Arabidopsis thaliana]		

Seq. No.	45780	Seq. ID	OJ000211_13.0322.C2
Gene No.	96924	Strand	-
Start	1	End	2471
Name	OJ000211_13.0322.C2.o1.gp	Method	AAT/GAP
Start	298	End	675
GI	none	Score	695
Exons	298..675		

Seq. No.	45780	Seq. ID	OJ000211_13.0322.C2
Gene No.	96924	Strand	-
Start	1	End	2471
Name	OJ000211_13.0322.C2.o1.tm	Method	TBLASTX:Maize
Start	875	End	2442
GI	none	Score	81
Exons	875..976, 898..984, 899..985, 987..1058, 988..1059, 1048..1095, 1055..1117, 1057..1116, 1058..1117, 1148..1171, 1306..1446,		

1307..1438, 1359..1478, 1532..1651, 1551..1652, 1590..1652, 1962..2177, 1962..2183, 1970..2182, 2265..2438, 2273..2425, 2274..2429, 2275..2442

Seq. No.	45780	Seq. ID	OJ000211_13.0322.C2
Gene No.	96924	Strand	-
Start	1	End	2471
Name	OJ000211_13.0322.C2.o1.gs	Method	GENSCAN
Start	902	End	2393
GI	none	Score	.64
Exons	902..1125, 1137..1186, 1302..1438, 1548..1649, 1969..2156, 2274..2393		

Seq. No.	45780	Seq. ID	OJ000211_13.0322.C2
Gene No.	96924	Strand	-
Start	1	End	2471
Name	OJ000211_13.0322.C2.o2.ts	Method	TBLASTX:Soybean
Start	1361	End	1652
GI	none	Score	58
Exons	1361..1441, 1363..1446, 1547..1651, 1548..1652		

Seq. No.	45780	Seq. ID	OJ000211_13.0322.C2
Gene No.	96924	Strand	-
Start	1	End	2471
Name	OJ000211_13.0322.C2.o1.tc	Method	TBLASTX:Cress
Start	1514	End	2181
GI	none	Score	72
Exons	1514..1651, 1962..2180, 1974..2174, 2008..2181		

Seq. No.	45780	Seq. ID	OJ000211_13.0322.C2
Gene No.	96924	Strand	-
Start	1	End	2471
Name	OJ000211_13.0322.C2.o1.ts	Method	TBLASTX:Soybean
Start	1951	End	2432
GI	none	Score	73
Exons	1951..2028, 1962..2171, 1962..2183, 2021..2182, 2265..2432, 2275..2424		

Seq. No.	45780	Seq. ID	OJ000211_13.0322.C2
Gene No.	96924	Strand	-
Start	1	End	2471
Name	OJ000211_13.0322.C2.o2.tc	Method	TBLASTX:Cress
Start	2275	End	2438
GI	none	Score	112
Exons	2275..2430, 2277..2438		

Seq. No.	45781	Seq. ID	OJ000211_13.0322.C3
Gene No.	96925	Strand	-
Start	726	End	2849
Name	OJ000211_13.0322.C3.o1.gs	Method	GENSCAN
Start	726	End	2833
GI	none	Score	.6
Exons	726..896, 983..1110, 2437..2833		

Seq. No.	45781	Seq. ID	OJ000211_13.0322.C3
Gene No.	96925	Strand	-
Start	726	End	2849

Name	OJ000211_13.0322.C3.o1.tm	Method	TBLASTX:Maize
Start	837	End	2849
GI	none	Score	82
Exons	837..896, 837..896, 838..897, 983..1114, 983..1120, 2426..2842, 2427..2843, 2428..2844, 2437..2847, 2439..2849		

Seq. No.	45781	Seq. ID	OJ000211_13.0322.C3
Gene No.	96925	Strand	-
Start	726	End	2849
Name	OJ000211_13.0322.C3.o1.ts	Method	TBLASTX:Soybean
Start	837	End	2848
GI	none	Score	69
Exons	837..896, 841..897, 981..1124, 983..1120, 1036..1122, 2432..2848, 2445..2837		

Seq. No.	45781	Seq. ID	OJ000211_13.0322.C3
Gene No.	96925	Strand	-
Start	726	End	2849
Name	OJ000211_13.0322.C3.o1.np	Method	AAT/NAP
Start	843	End	2842
GI	2104949	Score	906
Exons	843..896, 983..1110, 2437..2842		
GI Descrip.	(U96716) MAP kinase-like protein [Selaginella lepidophylla]		

Seq. No.	45781	Seq. ID	OJ000211_13.0322.C3
Gene No.	96925	Strand	-
Start	726	End	2849
Name	OJ000211_13.0322.C3.o1.tw	Method	TBLASTX:Wheat
Start	989	End	2659
GI	none	Score	215
Exons	989..1120, 994..1122, 995..1123, 2418..2630, 2432..2629, 2435..2659, 2439..2657		

Seq. No.	45781	Seq. ID	OJ000211_13.0322.C3
Gene No.	96925	Strand	-
Start	726	End	2849
Name	OJ000211_13.0322.C3.o1.tc	Method	TBLASTX:Cress
Start	993	End	2824
GI	none	Score	144
Exons	993..1142, 995..1120, 2426..2812, 2426..2824, 2433..2822		

Seq. No.	45782	Seq. ID	OJ000211_13.0322.C4
Gene No.	96926	Strand	+
Start	150	End	522
Name	OJ000211_13.0322.C4.o1.gs	Method	GENSCAN
Start	150	End	522
GI	none	Score	.88
Exons	150..268, 342..522		

Seq. No.	45782	Seq. ID	OJ000211_13.0322.C4
Gene No.	96927	Strand	-
Start	3476	End	5789
Name	OJ000211_13.0322.C4.o2.gs	Method	GENSCAN
Start	3476	End	5789
GI	none	Score	.86
Exons	3476..3575, 3658..3733, 4948..5081, 5191..5273, 5379..5501, 5619..5789		

Seq. No.	45782	Seq. ID	OJ000211_13.0322.C4
Gene No.	96927	Strand	-
Start	3476	End	5789
Name	OJ000211_13.0322.C4.o1.tc	Method	TBLASTX:Cress
Start	5188	End	5732
GI	none	Score	62
Exons	5188..5274, 5190..5273, 5427..5501, 5619..5732, 5629..5706		

Seq. No.	45782	Seq. ID	OJ000211_13.0322.C4
Gene No.	96927	Strand	-
Start	3476	End	5789
Name	OJ000211_13.0322.C4.o1.tm	Method	TBLASTX:Maize
Start	5427	End	5732
GI	none	Score	52
Exons	5427..5501, 5448..5543, 5617..5712, 5619..5732, 5661..5726		

Seq. No.	45783	Seq. ID	OJ000211_13.0322.C5
Gene No.	96928	Strand	+
Start	1767	End	4991
Name	OJ000211_13.0322.C5.o1.gp	Method	AAT/GAP
Start	1767	End	2316
GI	none	Score	883
Exons	1767..2083, 2158..2316		

Seq. No.	45783	Seq. ID	OJ000211_13.0322.C5
Gene No.	96928	Strand	+
Start	1767	End	4991
Name	OJ000211_13.0322.C5.o1.gs	Method	GENSCAN
Start	2012	End	4991
GI	none	Score	.82
Exons	2012..2083, 2158..2371, 2911..3412, 4045..4119, 4490..4991		

Seq. No.	45783	Seq. ID	OJ000211_13.0322.C5
Gene No.	96928	Strand	+
Start	1767	End	4991
Name	OJ000211_13.0322.C5.o2.np	Method	AAT/NAP
Start	2804	End	4991
GI	7487649	Score	323
Exons	2804..3258, 4451..4991		
GI Descrip.	hypothetical protein T4I9.20 - Arabidopsis thaliana gi|3924613|gb|AAC79114.1| (AF069442) hypothetical protein [Arabidopsis thaliana] gi|4263512|gb|AAD15338.1| (AC004044) hypothetical protein [Arabidopsis thaliana] gi|7269777|emb|CAB77777.1| (AL161495) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45783	Seq. ID	OJ000211_13.0322.C5
Gene No.	96928	Strand	+
Start	1767	End	4991
Name	OJ000211_13.0322.C5.o2.gp	Method	AAT/GAP
Start	2997	End	4092
GI	none	Score	873
Exons	2997..3412, 4045..4092		

Seq. No.	45783	Seq. ID	OJ000211_13.0322.C5
Gene No.	96928	Strand	+

Start	1767	End	4991
Name	OJ000211_13.0322.C5.o3.gp	Method	AAT/GAP
Start	4531	End	4972
GI	LIB3432-034-P2-K1-D9	Score	855
Exons	4531..4972		
GI Descrip.	'3924613 3.0e-27 (AF069442) hypothetical protein [Arabidopsis thaliana] >gi_4263512_gb_AAD15338_ (AC004044) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	45783	Seq. ID	OJ000211_13.0322.C5
Gene No.	96929	Strand	-
Start	1562	End	2867
Name	OJ000211_13.0322.C5.o1.np	Method	AAT/NAP
Start	1562	End	2867
GI	6815099	Score	82
Exons	1562..1652, 2842..2867		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	45783	Seq. ID	OJ000211_13.0322.C5
Gene No.	96930	Strand	-
Start	5692	End	6849
Name	OJ000211_13.0322.C5.o1.tm	Method	TBLASTX:Maize
Start	2913	End	4999
GI	none	Score	157
Exons	2913..3110, 2921..2977, 3047..3109, 3113..3412, 3114..3413, 3119..3415, 3126..3422, 3334..3423, 4040..4117, 4042..4119, 4042..4119, 4497..4985, 4507..4743, 4542..4997, 4544..4999, 4550..4999		

Seq. No.	45783	Seq. ID	OJ000211_13.0322.C5
Gene No.	96930	Strand	-
Start	5692	End	6849
Name	OJ000211_13.0322.C5.o1.ts	Method	TBLASTX:Soybean
Start	2916	End	4931
GI	none	Score	67
Exons	2916..3005, 4548..4637, 4605..4931, 4649..4903		

Seq. No.	45783	Seq. ID	OJ000211_13.0322.C5
Gene No.	96930	Strand	-
Start	5692	End	6849
Name	OJ000211_13.0322.C5.o2.gs	Method	GENSCAN
Start	5692	End	6849
GI	none	Score	.51
Exons	5692..5983, 6400..6470, 6727..6849		

Seq. No.	45784	Seq. ID	OJ000211_13.0322.C6
Gene No.	96931	Strand	+
Start	173	End	196
Name	OJ000211_13.0322.C6.o1.gs	Method	GENSCAN
Start	173	End	196
GI	none	Score	.86
Exons	173..196		

Seq. No.	45785	Seq. ID	OJ000211_13.0322.C7
Gene No.	96932	Strand	+
Start	1	End	5752
Name	OJ000211_13.0322.C7.o1.np	Method	AAT/NAP

Start	1	End	5752
GI	5777623	Score	997
Exons	1..18, 1791..1977, 2224..2380, 2560..3056, 3887..4129, 5729..5752		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	45785	Seq. ID	OJ000211_13.0322.C7
Gene No.	96932	Strand	+
Start	1	End	5752
Name	OJ000211_13.0322.C7.o1.gs	Method	GENSCAN
Start	770	End	1027
GI	none	Score	.97
Exons	770..1027		

Seq. No.	45785	Seq. ID	OJ000211_13.0322.C7
Gene No.	96933	Strand	+
Start	6553	End	9952
Name	OJ000211_13.0322.C7.o3.np	Method	AAT/NAP
Start	5383	End	7404
GI	7523517	Score	225
Exons	5383..5681, 5795..5849, 7351..7404		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	45785	Seq. ID	OJ000211_13.0322.C7
Gene No.	96933	Strand	+
Start	6553	End	9952
Name	OJ000211_13.0322.C7.o3.gs	Method	GENSCAN
Start	6553	End	9952
GI	none	Score	.69
Exons	6553..6672, 8130..8318, 9824..9952		

Seq. No.	45785	Seq. ID	OJ000211_13.0322.C7
Gene No.	96934	Strand	-
Start	2574	End	3146
Name	OJ000211_13.0322.C7.o2.gs	Method	GENSCAN
Start	2574	End	3146
GI	none	Score	1
Exons	2574..3146		

Seq. No.	45785	Seq. ID	OJ000211_13.0322.C7
Gene No.	96935	Strand	-
Start	4037	End	7368
Name	OJ000211_13.0322.C7.o2.np	Method	AAT/NAP
Start	4037	End	7368
GI	4680186	Score	164
Exons	4037..4458, 4930..4992, 7345..7368		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	45785	Seq. ID	OJ000211_13.0322.C7
Gene No.	96936	Strand	-
Start	10366	End	10568
Name	OJ000211_13.0322.C7.o4.gs	Method	GENSCAN
Start	10366	End	10568
GI	none	Score	.96
Exons	10366..10568		

Seq. No.	45786	Seq. ID	OJ000211_13.0322.C8

Gene No.	96937	Strand	+
Start	615	End	779
Name	OJ000211_13.0322.C8.o1.np	Method	AAT/NAP
Start	615	End	779
GI	7340866	Score	115
Exons	615..779		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96938	Strand	+
Start	1	End	997
Name	OJ000211_13.0322.C10.o1.np	Method	AAT/NAP
Start	1	End	997
GI	6729027	Score	929
Exons	1..419, 520..997		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96938	Strand	+
Start	1	End	997
Name	OJ000211_13.0322.C10.o1.gs	Method	GENSCAN
Start	56	End	953
GI	none	Score	1
Exons	56..419, 520..953		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96939	Strand	+
Start	5052	End	7993
Name	OJ000211_13.0322.C10.o2.gs	Method	GENSCAN
Start	5052	End	7993
GI	none	Score	.91
Exons	5052..5936, 6134..6309, 6392..6723, 6843..7030, 7106..7295, 7368..7472, 7545..7993		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96939	Strand	+
Start	5052	End	7993
Name	OJ000211_13.0322.C10.o2.np	Method	AAT/NAP
Start	5052	End	7990
GI	6691716	Score	2295
Exons	5052..5936, 6134..6309, 6392..6659, 6836..7030, 7106..7209, 7360..7472, 7545..7990		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96940	Strand	-
Start	3586	End	3748
Name	OJ000211_13.0322.C10.o1.gp	Method	AAT/GAP
Start	3586	End	3748
GI	uC-osflcyp177g01a1	Score	235
Exons	3586..3748		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10

Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o3.tm	Method	TBLASTX:Maize
Start	1	End	268
GI	none	Score	382
Exons	1..63, 2..268, 106..267		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o1.ts	Method	TBLASTX:Soybean
Start	2	End	385
GI	none	Score	163
Exons	2..154, 167..385, 169..318		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o2.tc	Method	TBLASTX:Cress
Start	2	End	274
GI	none	Score	154
Exons	2..160, 167..223, 224..274		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o1.tc	Method	TBLASTX:Cress
Start	299	End	854
GI	none	Score	131
Exons	299..448, 504..854, 515..853		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o1.tm	Method	TBLASTX:Maize
Start	386	End	776
GI	none	Score	56
Exons	386..421, 388..423, 491..775,	516..776,	522..776

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o6.tw	Method	TBLASTX:Wheat
Start	5154	End	5462
GI	none	Score	213
Exons	5154..5462		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o3.gs	Method	GENSCAN
Start	8310	End	10911
GI	none	Score	.43
Exons	8310..8694, 8723..10911		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-

Start	8310	End	10970
Name	OJ000211_13.0322.C10.o3.np	Method	AAT/NAP
Start	8313	End	10970
GI	5902445	Score	4491
Exons	8313..10970		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o4.tw	Method	TBLASTX:Wheat
Start	8322	End	8937
GI	none	Score	201
Exons	8322..8459, 8445..8603, 8698..8937		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o5.tm	Method	TBLASTX:Maize
Start	8361	End	8594
GI	none	Score	102
Exons	8361..8462, 8362..8463, 8442..8594, 8443..8493		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o2.tw	Method	TBLASTX:Wheat
Start	9052	End	9439
GI	none	Score	109
Exons	9052..9237, 9052..9438, 9128..9439		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o2.tm	Method	TBLASTX:Maize
Start	9082	End	9445
GI	none	Score	61
Exons	9082..9129, 9083..9130, 9121..9444, 9134..9445		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o7.tw	Method	TBLASTX:Wheat
Start	9442	End	9741
GI	none	Score	135
Exons	9442..9582, 9607..9741		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o3.tw	Method	TBLASTX:Wheat
Start	9757	End	10179
GI	none	Score	267
Exons	9757..10179, 9767..10171		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-

Start	8310	End	10970
Name	OJ000211_13.0322.C10.o3.ts	Method	TBLASTX:Soybean
Start	9800	End	10188
GI	none	Score	162
Exons	9800..10180, 9802..10044, 10084..10188		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o6.tm	Method	TBLASTX:Maize
Start	9853	End	10126
GI	none	Score	60
Exons	9853..9951, 9854..9919, 9955..10125, 9956..10126		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o5.tw	Method	TBLASTX:Wheat
Start	10179	End	10465
GI	none	Score	126
Exons	10179..10277, 10181..10465, 10183..10464		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o4.tm	Method	TBLASTX:Maize
Start	10303	End	10747
GI	none	Score	87
Exons	10303..10329, 10327..10470, 10340..10471, 10492..10746, 10493..10747		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o2.ts	Method	TBLASTX:Soybean
Start	10414	End	10845
GI	none	Score	58
Exons	10414..10845, 10448..10618, 10655..10798		

Seq. No.	45787	Seq. ID	OJ000211_13.0322.C10
Gene No.	96941	Strand	-
Start	8310	End	10970
Name	OJ000211_13.0322.C10.o1.tw	Method	TBLASTX:Wheat
Start	10469	End	10893
GI	none	Score	298
Exons	10469..10849, 10469..10828, 10474..10893		

Seq. No.	45788	Seq. ID	OJ000211_13.0322.C11
Gene No.	96942	Strand	-
Start	246	End	1622
Name	OJ000211_13.0322.C11.o1.tw	Method	TBLASTX:Wheat
Start	117	End	914
GI	none	Score	119
Exons	117..410, 121..345, 457..693, 459..689, 732..914, 738..851		

Seq. No.	45788	Seq. ID	OJ000211_13.0322.C11
Gene No.	96942	Strand	-

Start	246	End	1622
Name	OJ000211_13.0322.C11.o1.gs	Method	GENSCAN
Start	246	End	1547
GI	none	Score	.98
Exons	246..1547		

Seq. No.	45788	Seq. ID	OJ000211_13.0322.C11
Gene No.	96942	Strand	-
Start	246	End	1622
Name	OJ000211_13.0322.C11.o1.np	Method	AAT/NAP
Start	249	End	1622
GI	5902444	Score	2282
Exons	249..1622		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	45788	Seq. ID	OJ000211_13.0322.C11
Gene No.	96942	Strand	-
Start	246	End	1622
Name	OJ000211_13.0322.C11.o1.tm	Method	TBLASTX:Maize
Start	459	End	606
GI	none	Score	127
Exons	459..605, 460..606		

Seq. No.	45789	Seq. ID	OJ000211_13.0322.C12
Gene No.	96943	Strand	-
Start	1	End	724
Name	OJ000211_13.0322.C12.o1.np	Method	AAT/NAP
Start	1	End	724
GI	5902444	Score	1023
Exons	1..724		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	45789	Seq. ID	OJ000211_13.0322.C12
Gene No.	96943	Strand	-
Start	1	End	724
Name	OJ000211_13.0322.C12.o1.gs	Method	GENSCAN
Start	79	End	724
GI	none	Score	1
Exons	79..724		

Seq. No.	45790	Seq. ID	OJ000211_13.0322.C13
Gene No.	96944	Strand	-
Start	1	End	1268
Name	OJ000211_13.0322.C13.o1.np	Method	AAT/NAP
Start	1	End	1075
GI	6014929	Score	448
Exons	1..1075		
GI Descrip.	S-ADENOSYLMETHIONINE DECARBOXYLASE PROENZYME (ADOMETDC) gi|7436595|pir||T12613 adenosylmethionine decarboxylase (EC 4.1.1.50) - common sunflower gi|3153906|gb|AAC17449.1| (AF066078) S-adenosylmethionine decarboxylase [Helianthus annuus]		

Seq. No.	45790	Seq. ID	OJ000211_13.0322.C13
Gene No.	96944	Strand	-
Start	1	End	1268
Name	OJ000211_13.0322.C13.o1.gs	Method	GENSCAN

Start	33	End	1268
GI	none	Score	.53
Exons	33..1051, 1059..1268		

Seq. No.	45790	Seq. ID	OJ000211_13.0322.C13
Gene No.	96945	Strand	-
Start	1999	End	2714
Name	OJ000211_13.0322.C13.o1.tc	Method	TBLASTX:Cress
Start	233	End	1123
GI	none	Score	69
Exons	233..373, 270..374, 449..517, 461..511, 668..757, 705..881, 821..1123, 978..1061		

Seq. No.	45790	Seq. ID	OJ000211_13.0322.C13
Gene No.	96945	Strand	-
Start	1999	End	2714
Name	OJ000211_13.0322.C13.o1.tm	Method	TBLASTX:Maize
Start	248	End	1061
GI	none	Score	62
Exons	248..373, 270..350, 668..751, 693..881, 821..1060, 978..1061		

Seq. No.	45790	Seq. ID	OJ000211_13.0322.C13
Gene No.	96945	Strand	-
Start	1999	End	2714
Name	OJ000211_13.0322.C13.o1.tw	Method	TBLASTX:Wheat
Start	248	End	2714
GI	none	Score	69
Exons	248..373, 270..383, 668..751, 705..881, 821..1069, 999..1061, 2563..2607, 2624..2683, 2676..2714		

Seq. No.	45790	Seq. ID	OJ000211_13.0322.C13
Gene No.	96945	Strand	-
Start	1999	End	2714
Name	OJ000211_13.0322.C13.o1.ts	Method	TBLASTX:Soybean
Start	248	End	1081
GI	none	Score	79
Exons	248..373, 270..374, 461..517, 668..757, 821..883, 944..1081		

Seq. No.	45790	Seq. ID	OJ000211_13.0322.C13
Gene No.	96945	Strand	-
Start	1999	End	2714
Name	OJ000211_13.0322.C13.o2.gs	Method	GENSCAN
Start	1999	End	2587
GI	none	Score	.6
Exons	1999..2096, 2404..2587		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96946	Strand	+
Start	848	End	1720
Name	OJ000211_13.0322.C14.o1.gs	Method	GENSCAN
Start	848	End	1720
GI	none	Score	.56
Exons	848..898, 1034..1088, 1653..1720		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96947	Strand	+
Start	2536	End	8634

Name	OJ000211_13.0322.C14.o1.np	Method	AAT/NAP
Start	2536	End	8598
GI	5922631	Score	6698
Exons	2536..2660, 2919..3166, 3401..3603, 3649..4220, 4263..4414, 4541..5464, 6071..8598		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96947	Strand	+
Start	2536	End	8634
Name	OJ000211_13.0322.C14.o2.gs	Method	GENSCAN
Start	2536	End	8634
GI	none	Score	.97
Exons	2536..5456, 5553..8634		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96948	Strand	-
Start	8951	End	10227
Name	OJ000211_13.0322.C14.o3.gs	Method	GENSCAN
Start	8951	End	10096
GI	none	Score	.96
Exons	8951..9399, 9472..9576, 9644..9793, 9896..10096		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96948	Strand	-
Start	8951	End	10227
Name	OJ000211_13.0322.C14.o2.np	Method	AAT/NAP
Start	8954	End	10227
GI	6691716	Score	840
Exons	8954..9399, 9472..9584, 9730..9833, 9909..10227		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-
Start	10142	End	10227
Name	OJ000211_13.0322.C14.o7.tw	Method	TBLASTX:Wheat
Start	3825	End	4227
GI	none	Score	294
Exons	3825..4094, 3826..4227		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-
Start	10142	End	10227
Name	OJ000211_13.0322.C14.o6.tw	Method	TBLASTX:Wheat
Start	4804	End	5261
GI	none	Score	149
Exons	4804..4980, 5025..5261, 5029..5259		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14

Gene No.	96949	Strand	-
Start	10142	End	10227
Name	OJ000211_13.0322.C14.o1.tw	Method	TBLASTX:Wheat
Start	5481	End	5937
GI	none	Score	499
Exons	5481..5936, 5482..5937		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-
Start	10142	End	10227
Name	OJ000211_13.0322.C14.o3.ts	Method	TBLASTX:Soybean
Start	5521	End	5886
GI	none	Score	140
Exons	5521..5745, 5752..5886		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-
Start	10142	End	10227
Name	OJ000211_13.0322.C14.o2.tm	Method	TBLASTX:Maize
Start	5611	End	5967
GI	none	Score	375
Exons	5611..5967, 5652..5957		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-
Start	10142	End	10227
Name	OJ000211_13.0322.C14.o2.tw	Method	TBLASTX:Wheat
Start	6052	End	6476
GI	none	Score	448
Exons	6052..6471, 6096..6476, 6117..6476		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-
Start	10142	End	10227
Name	OJ000211_13.0322.C14.o1.ts	Method	TBLASTX:Soybean
Start	6130	End	6531
GI	none	Score	314
Exons	6130..6531, 6147..6290, 6327..6497		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-
Start	10142	End	10227
Name	OJ000211_13.0322.C14.o3.tm	Method	TBLASTX:Maize
Start	6198	End	6642
GI	none	Score	275
Exons	6198..6452, 6199..6453, 6474..6605, 6475..6618, 6616..6642		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-
Start	10142	End	10227
Name	OJ000211_13.0322.C14.o8.tw	Method	TBLASTX:Wheat
Start	6480	End	6762
GI	none	Score	273
Exons	6480..6557, 6481..6762, 6616..6750		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-

Start	10142	End	10227
Name	OJ000211_13.0322.C14.o2.ts	Method	TBLASTX:Soybean
Start	6757	End	7145
GI	none	Score	261
Exons	6757..7143, 6765..7145		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-
Start	10142	End	10227
Name	OJ000211_13.0322.C14.o4.tw	Method	TBLASTX:Wheat
Start	6766	End	7188
GI	none	Score	413
Exons	6766..7188, 6774..7178		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-
Start	10142	End	10227
Name	OJ000211_13.0322.C14.o5.tm	Method	TBLASTX:Maize
Start	7018	End	7272
GI	none	Score	193
Exons	7018..7272, 7026..7133		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-
Start	10142	End	10227
Name	OJ000211_13.0322.C14.o9.tw	Method	TBLASTX:Wheat
Start	7204	End	7503
GI	none	Score	134
Exons	7204..7338, 7363..7503		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-
Start	10142	End	10227
Name	OJ000211_13.0322.C14.o1.tm	Method	TBLASTX:Maize
Start	7500	End	7863
GI	none	Score	446
Exons	7500..7811, 7501..7824, 7521..7844, 7815..7862, 7816..7863		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-
Start	10142	End	10227
Name	OJ000211_13.0322.C14.o3.tw	Method	TBLASTX:Wheat
Start	7506	End	7893
GI	none	Score	420
Exons	7506..7817, 7507..7893, 7702..7893		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-
Start	10142	End	10227
Name	OJ000211_13.0322.C14.o6.tm	Method	TBLASTX:Maize
Start	7965	End	8238
GI	none	Score	95
Exons	7965..8072, 7966..8064, 8055..8129, 8059..8142, 8152..8238		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-
Start	10142	End	10227

Name	OJ000211_13.0322.C14.o5.tw	Method	TBLASTX:Wheat
Start	8008	End	8622
GI	none	Score	273
Exons	8008..8286, 8008..8094, 8028..8117, 8158..8202, 8169..8270, 8341..8499, 8485..8622		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-
Start	10142	End	10227
Name	OJ000211_13.0322.C14.o4.tm	Method	TBLASTX:Maize
Start	8350	End	8583
GI	none	Score	152
Exons	8350..8502, 8451..8501, 8481..8582, 8482..8583		

Seq. No.	45791	Seq. ID	OJ000211_13.0322.C14
Gene No.	96949	Strand	-
Start	10142	End	10227
Name	OJ000211_13.0322.C14.o3.np	Method	AAT/NAP
Start	10142	End	10227
GI	5902447	Score	90
Exons	10142..10227		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	45792	Seq. ID	OJ000211_13.0322.C15
Gene No.	96950	Strand	+
Start	2614	End	2769
Name	OJ000211_13.0322.C15.o1.gp	Method	AAT/GAP
Start	2614	End	2769
GI	uC-osflcyp177g01a1	Score	242
Exons	2614..2769		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	45792	Seq. ID	OJ000211_13.0322.C15
Gene No.	96951	Strand	+
Start	7362	End	9050
Name	OJ000211_13.0322.C15.o3.np	Method	AAT/NAP
Start	7362	End	9050
GI	6136630	Score	168
Exons	7362..7376, 8470..8699, 8991..9050		
GI Descrip.	HYPOTHETICAL 14.9 KD PROTEIN YCF72 (ORF137) gi|2130150|pir||S58640 hypothetical protein 137 - maize chloroplast gi|902263|emb|CAA60328.1| (X86563) ORF137 [Zea mays] gi|902308|emb|CAA60372.1| (X86563) ORF137 [Zea mays]		

Seq. No.	45792	Seq. ID	OJ000211_13.0322.C15
Gene No.	96952	Strand	-
Start	41	End	1604
Name	OJ000211_13.0322.C15.o1.gs	Method	GENSCAN
Start	41	End	1604
GI	none	Score	.96
Exons	41..330, 417..1428, 1573..1604		

Seq. No.	45792	Seq. ID	OJ000211_13.0322.C15
Gene No.	96952	Strand	-
Start	41	End	1604
Name	OJ000211_13.0322.C15.o1.np	Method	AAT/NAP

Start	408	End	1301
GI	5902448	Score	1600
Exons	408..1301		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	45792	Seq. ID	OJ000211_13.0322.C15
Gene No.	96953	Strand	-
Start	2158	End	4041
Name	OJ000211_13.0322.C15.o2.gs	Method	GENSCAN
Start	2158	End	4041
GI	none	Score	.67
Exons	2158..2298, 3228..3279, 3465..3679, 4015..4041		

Seq. No.	45792	Seq. ID	OJ000211_13.0322.C15
Gene No.	96954	Strand	-
Start	5176	End	5630
Name	OJ000211_13.0322.C15.o2.gp	Method	AAT/GAP
Start	4970	End	5630
GI	none	Score	1273
Exons	4970..5630		

Seq. No.	45792	Seq. ID	OJ000211_13.0322.C15
Gene No.	96954	Strand	-
Start	5176	End	5630
Name	OJ000211_13.0322.C15.o3.gs	Method	GENSCAN
Start	5176	End	5499
GI	none	Score	1
Exons	5176..5499		

Seq. No.	45792	Seq. ID	OJ000211_13.0322.C15
Gene No.	96955	Strand	-
Start	8397	End	10914
Name	OJ000211_13.0322.C15.o3.tw	Method	TBLASTX:Wheat
Start	891	End	1181
GI	none	Score	53
Exons	891..1181, 928..999		

Seq. No.	45792	Seq. ID	OJ000211_13.0322.C15
Gene No.	96955	Strand	-
Start	8397	End	10914
Name	OJ000211_13.0322.C15.o4.gs	Method	GENSCAN
Start	8397	End	10914
GI	none	Score	.56
Exons	8397..8445, 10784..10914		

Seq. No.	45792	Seq. ID	OJ000211_13.0322.C15
Gene No.	96955	Strand	-
Start	8397	End	10914
Name	OJ000211_13.0322.C15.o1.tm	Method	TBLASTX:Maize
Start	8464	End	8667
GI	none	Score	36
Exons	8464..8532, 8470..8496, 8471..8539, 8475..8537, 8540..8665, 8541..8666, 8617..8667		

Seq. No.	45792	Seq. ID	OJ000211_13.0322.C15
Gene No.	96955	Strand	-
Start	8397	End	10914

Name	OJ000211_13.0322.C15.o1.tc	Method	TBLASTX:Cress
Start	8471	End	8667
GI	none	Score	84
Exons	8471..8539, 8475..8537, 8534..8665, 8541..8666, 8541..8666, 8617..8667		

Seq. No.	45792	Seq. ID	OJ000211_13.0322.C15
Gene No.	96955	Strand	-
Start	8397	End	10914
Name	OJ000211_13.0322.C15.o2.tw	Method	TBLASTX:Wheat
Start	8471	End	8667
GI	none	Score	84
Exons	8471..8539, 8475..8537, 8539..8664, 8541..8666, 8541..8666, 8617..8667		

Seq. No.	45792	Seq. ID	OJ000211_13.0322.C15
Gene No.	96955	Strand	-
Start	8397	End	10914
Name	OJ000211_13.0322.C15.o1.tw	Method	TBLASTX:Wheat
Start	9921	End	10211
GI	none	Score	240
Exons	9921..10211		

Seq. No.	45792	Seq. ID	OJ000211_13.0322.C15
Gene No.	96955	Strand	-
Start	8397	End	10914
Name	OJ000211_13.0322.C15.o2.tm	Method	TBLASTX:Maize
Start	9969	End	10157
GI	none	Score	193
Exons	9969..10157		

Seq. No.	45793	Seq. ID	OJ000211_13.0322.C16
Gene No.	96956	Strand	+
Start	2035	End	2309
Name	OJ000211_13.0322.C16.o1.gs	Method	GENSCAN
Start	2035	End	2309
GI	none	Score	.68
Exons	2035..2108, 2189..2309		

Seq. No.	45793	Seq. ID	OJ000211_13.0322.C16
Gene No.	96957	Strand	-
Start	5936	End	6726
Name	OJ000211_13.0322.C16.o1.gp	Method	AAT/GAP
Start	5936	End	6726
GI	none	Score	1495
Exons	5936..6726		

Seq. No.	45793	Seq. ID	OJ000211_13.0322.C16
Gene No.	96958	Strand	-
Start	9628	End	10021
Name	OJ000211_13.0322.C16.o3.gs	Method	GENSCAN
Start	9628	End	10021
GI	none	Score	.5
Exons	9628..10021		

Seq. No.	45794	Seq. ID	OJ000211_13.0322.C17
Gene No.	96959	Strand	-

Start	1	End	4629
Name	OJ000211_13.0322.C17.o1.np	Method	AAT/NAP
Start	1	End	3852
GI	7489738	Score	3889
Exons	1..3649, 3692..3852		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi|4234852|gb|AAD12997.1| (AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	45794	Seq. ID	OJ000211_13.0322.C17
Gene No.	96959	Strand	-
Start	1	End	4629
Name	OJ000211_13.0322.C17.o4.ts	Method	TBLASTX:Soybean
Start	8	End	304
GI	none	Score	60
Exons	8..109, 12..113, 122..304		

Seq. No.	45794	Seq. ID	OJ000211_13.0322.C17
Gene No.	96959	Strand	-
Start	1	End	4629
Name	OJ000211_13.0322.C17.o1.gs	Method	GENSCAN
Start	144	End	4629
GI	none	Score	.49
Exons	144..1904, 2005..2278, 2384..2958, 3437..3860, 4395..4629		

Seq. No.	45794	Seq. ID	OJ000211_13.0322.C17
Gene No.	96959	Strand	-
Start	1	End	4629
Name	OJ000211_13.0322.C17.o2.tm	Method	TBLASTX:Maize
Start	194	End	625
GI	none	Score	126
Exons	194..490, 195..350, 464..625		

Seq. No.	45794	Seq. ID	OJ000211_13.0322.C17
Gene No.	96959	Strand	-
Start	1	End	4629
Name	OJ000211_13.0322.C17.o1.tw	Method	TBLASTX:Wheat
Start	290	End	1070
GI	none	Score	154
Exons	290..739, 294..740, 716..1069, 723..1070, 725..1069		

Seq. No.	45794	Seq. ID	OJ000211_13.0322.C17
Gene No.	96959	Strand	-
Start	1	End	4629
Name	OJ000211_13.0322.C17.o3.tm	Method	TBLASTX:Maize
Start	626	End	1069
GI	none	Score	139
Exons	626..727, 761..1069, 762..1052		

Seq. No.	45794	Seq. ID	OJ000211_13.0322.C17
Gene No.	96959	Strand	-
Start	1	End	4629
Name	OJ000211_13.0322.C17.o1.ts	Method	TBLASTX:Soybean
Start	761	End	1198
GI	5509260	Score	44
Exons	761..1198, 762..794, 837..1190		
GI Descrip.	-		

Seq. No.	45794	Seq. ID	OJ000211_13.0322.C17
Gene No.	96959	Strand	-
Start	1	End	4629
Name	OJ000211_13.0322.C17.o1.tc	Method	TBLASTX:Cress
Start	851	End	1111
GI	none	Score	116
Exons	851..1111, 873..1109		

Seq. No.	45794	Seq. ID	OJ000211_13.0322.C17
Gene No.	96959	Strand	-
Start	1	End	4629
Name	OJ000211_13.0322.C17.o3.ts	Method	TBLASTX:Soybean
Start	1709	End	2096
GI	none	Score	63
Exons	1709..1882, 1886..2017, 2013..2096		

Seq. No.	45794	Seq. ID	OJ000211_13.0322.C17
Gene No.	96959	Strand	-
Start	1	End	4629
Name	OJ000211_13.0322.C17.o2.tw	Method	TBLASTX:Wheat
Start	1712	End	2375
GI	none	Score	35
Exons	1712..1810, 1737..1811, 1790..2032, 1812..2009, 2013..2096, 2017..2073, 2129..2347, 2136..2375		

Seq. No.	45794	Seq. ID	OJ000211_13.0322.C17
Gene No.	96959	Strand	-
Start	1	End	4629
Name	OJ000211_13.0322.C17.o4.tm	Method	TBLASTX:Maize
Start	1901	End	2354
GI	none	Score	119
Exons	1901..2026, 2013..2087, 2136..2354		

Seq. No.	45794	Seq. ID	OJ000211_13.0322.C17
Gene No.	96959	Strand	-
Start	1	End	4629
Name	OJ000211_13.0322.C17.o2.ts	Method	TBLASTX:Soybean
Start	2151	End	2537
GI	none	Score	116
Exons	2151..2537, 2320..2526		

Seq. No.	45794	Seq. ID	OJ000211_13.0322.C17
Gene No.	96959	Strand	-
Start	1	End	4629
Name	OJ000211_13.0322.C17.o3.tw	Method	TBLASTX:Wheat
Start	2394	End	2831
GI	none	Score	51
Exons	2394..2564, 2410..2532, 2634..2831		

Seq. No.	45794	Seq. ID	OJ000211_13.0322.C17
Gene No.	96959	Strand	-
Start	1	End	4629
Name	OJ000211_13.0322.C17.o1.tm	Method	TBLASTX:Maize
Start	2815	End	3760
GI	none	Score	48
Exons	2815..2907, 2857..2907, 3012..3143, 3031..3072, 3153..3221,		

3184..3240, 3212..3298, 3231..3314, 3293..3760, 3296..3562, 3301..3759

Seq. No.	45795	Seq. ID	OJ000211_13.0322.C19
Gene No.	96960	Strand	+
Start	4810	End	4881
Name	OJ000211_13.0322.C19.o2.gp	Method	AAT/GAP
Start	4810	End	4881
GI	77434_1.R1084	Score	81
Exons	4810..4881		
GI Descrip.	'2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	45795	Seq. ID	OJ000211_13.0322.C19
Gene No.	96961	Strand	-
Start	2220	End	2576
Name	OJ000211_13.0322.C19.o1.gp	Method	AAT/GAP
Start	1933	End	2576
GI	none	Score	1251
Exons	1933..2576		

Seq. No.	45795	Seq. ID	OJ000211_13.0322.C19
Gene No.	96961	Strand	-
Start	2220	End	2576
Name	OJ000211_13.0322.C19.o2.gs	Method	GENSCAN
Start	2220	End	2456
GI	none	Score	.89
Exons	2220..2456		

Seq. No.	45796	Seq. ID	OJ000211_13.0322.C20
Gene No.	96962	Strand	+
Start	112	End	348
Name	OJ000211_13.0322.C20.o1.gs	Method	GENSCAN
Start	112	End	348
GI	none	Score	.85
Exons	112..348		

Seq. No.	45796	Seq. ID	OJ000211_13.0322.C20
Gene No.	96963	Strand	-
Start	3270	End	4039
Name	OJ000211_13.0322.C20.o1.gp	Method	AAT/GAP
Start	3113	End	3564
GI	4879443	Score	800
Exons	3113..3564		

Seq. No.	45796	Seq. ID	OJ000211_13.0322.C20
Gene No.	96963	Strand	-
Start	3270	End	4039
Name	OJ000211_13.0322.C20.o2.gs	Method	GENSCAN
Start	3270	End	4039
GI	none	Score	.5
Exons	3270..3561, 4008..4039		

Seq. No.	45797	Seq. ID	OJ000211_13.0322.C23
Gene No.	96964	Strand	-
Start	1	End	1750
Name	OJ000211_13.0322.C23.o1.gp	Method	AAT/GAP

Start	1	End	189
GI	6334_1.R1084	Score	345
Exons	1..189		
GI Descrip.	'3850566 2.0e-24 (AC005278) F15K9.3 [Arabidopsis thaliana]'		

Seq. No.	45797	Seq. ID	OJ000211_13.0322.C23
Gene No.	96964	Strand	-
Start	1	End	1750
Name	OJ000211_13.0322.C23.o2.tm	Method	TBLASTX:Maize
Start	1	End	312
GI	none	Score	256
Exons	1..114, 3..122, 108..311, 110..286, 111..299, 112..312		

Seq. No.	45797	Seq. ID	OJ000211_13.0322.C23
Gene No.	96964	Strand	-
Start	1	End	1750
Name	OJ000211_13.0322.C23.o1.gs	Method	GENSCAN
Start	53	End	1750
GI	none	Score	1
Exons	53..1750		

Seq. No.	45797	Seq. ID	OJ000211_13.0322.C23
Gene No.	96964	Strand	-
Start	1	End	1750
Name	OJ000211_13.0322.C23.o1.tm	Method	TBLASTX:Maize
Start	1214	End	1493
GI	none	Score	228
Exons	1214..1492, 1214..1489, 1332..1493		

Seq. No.	45797	Seq. ID	OJ000211_13.0322.C23
Gene No.	96964	Strand	-
Start	1	End	1750
Name	OJ000211_13.0322.C23.o3.tm	Method	TBLASTX:Maize
Start	1563	End	1702
GI	none	Score	54
Exons	1563..1613, 1564..1614, 1571..1702, 1572..1670		

Seq. No.	45798	Seq. ID	OJ000211_13.0322.C24
Gene No.	96965	Strand	+
Start	1331	End	5389
Name	OJ000211_13.0322.C24.o2.np	Method	AAT/NAP
Start	1331	End	5389
GI	7301706	Score	57
Exons	1331..1351, 3607..3691, 3718..3898, 5354..5389		
GI Descrip.	(AE003767) CG1520 gene product [Drosophila melanogaster]		

Seq. No.	45798	Seq. ID	OJ000211_13.0322.C24
Gene No.	96966	Strand	-
Start	686	End	4108
Name	OJ000211_13.0322.C24.o1.np	Method	AAT/NAP
Start	686	End	4108
GI	7301706	Score	51
Exons	686..962, 4076..4108		
GI Descrip.	(AE003767) CG1520 gene product [Drosophila melanogaster]		

Seq. No.	45798	Seq. ID	OJ000211_13.0322.C24
Gene No.	96967	Strand	-

Start	4385	End	7075
Name	OJ000211_13.0322.C24.o2.gs	Method	GENSCAN
Start	4385	End	7075
GI	none	Score	.71
Exons	4385..4507, 6508..6590, 6871..7075		

Seq. No.	45799	Seq. ID	OJ000211_13.0322.C25
Gene No.	96968	Strand	-
Start	682	End	713
Name	OJ000211_13.0322.C25.o1.gs	Method	GENSCAN
Start	682	End	713
GI	none	Score	.82
Exons	682..713		

Seq. No.	45800	Seq. ID	OJ000211_13.0322.C26
Gene No.	96969	Strand	+
Start	71	End	235
Name	OJ000211_13.0322.C26.o1.np	Method	AAT/NAP
Start	71	End	235
GI	7340866	Score	106
Exons	71..235		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	45801	Seq. ID	OJ000211_13.0322.C27
Gene No.	96970	Strand	-
Start	1112	End	1321
Name	OJ000211_13.0322.C27.o1.gs	Method	GENSCAN
Start	1112	End	1321
GI	none	Score	.65
Exons	1112..1321		

Seq. No.	45802	Seq. ID	OJ000221_13.0321.C1
Gene No.	96971	Strand	+
Start	140	End	1013
Name	OJ000221_13.0321.C1.o1.gs	Method	GENSCAN
Start	140	End	1013
GI	none	Score	.59
Exons	140..440, 497..1013		

Seq. No.	45803	Seq. ID	OJ000221_13.0321.C4
Gene No.	96972	Strand	+
Start	1	End	1386
Name	OJ000221_13.0321.C4.o1.np	Method	AAT/NAP
Start	1	End	1386
GI	5441880	Score	936
Exons	1..488, 985..1135, 1241..1386		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	45803	Seq. ID	OJ000221_13.0321.C4
Gene No.	96972	Strand	+
Start	1	End	1386
Name	OJ000221_13.0321.C4.o1.gs	Method	GENSCAN
Start	411	End	1359
GI	none	Score	.8
Exons	411..608, 985..1135, 1241..1359		

Seq. No.	45804	Seq. ID	OJ000221_13.0321.C5
Gene No.	96973	Strand	+
Start	1	End	2675
Name	OJ000221_13.0321.C5.o1.np	Method	AAT/NAP
Start	1	End	2675
GI	7228438	Score	1785
Exons	1..310, 404..702, 779..1037, 1130..1312, 1350..1420, 2653..2675		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	45804	Seq. ID	OJ000221_13.0321.C5
Gene No.	96973	Strand	+
Start	1	End	2675
Name	OJ000221_13.0321.C5.o2.np	Method	AAT/NAP
Start	1	End	2290
GI	7228442	Score	123
Exons	1..39, 2106..2290		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	45804	Seq. ID	OJ000221_13.0321.C5
Gene No.	96973	Strand	+
Start	1	End	2675
Name	OJ000221_13.0321.C5.o1.gs	Method	GENSCAN
Start	185	End	2248
GI	none	Score	.72
Exons	185..310, 404..702, 779..1037, 1130..1312, 1378..1415, 1506..1637, 1701..1748, 1753..1955, 2106..2248		

Seq. No.	45804	Seq. ID	OJ000221_13.0321.C5
Gene No.	96973	Strand	+
Start	1	End	2675
Name	OJ000221_13.0321.C5.o1.gp	Method	AAT/GAP
Start	530	End	1029
GI	LIB3475-007-P1-K1-G8	Score	801
Exons	530..702, 779..1029		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	45804	Seq. ID	OJ000221_13.0321.C5
Gene No.	96974	Strand	-
Start	1454	End	2675
Name	OJ000221_13.0321.C5.o3.np	Method	AAT/NAP
Start	1454	End	2675
GI	6721543	Score	87
Exons	1454..1527, 2571..2675		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	45804	Seq. ID	OJ000221_13.0321.C5
Gene No.	96974	Strand	-
Start	1454	End	2675
Name	OJ000221_13.0321.C5.o2.gp	Method	AAT/GAP
Start	2279	End	2675

GI	7406_1.R1084	Score	681
Exons	2279..2675		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	45805	Seq. ID	OJ000221_13.0321.C6
Gene No.	96975	Strand	-
Start	2876	End	11208
Name	OJ000221_13.0321.C6.o1.gs	Method	GENSCAN
Start	2876	End	11208
GI	none	Score	.54
Exons	2876..3062, 5756..5790, 7086..7364, 8633..8751, 11190..11208		

Seq. No.	45805	Seq. ID	OJ000221_13.0321.C6
Gene No.	96976	Strand	-
Start	12772	End	15635
Name	OJ000221_13.0321.C6.o1.np	Method	AAT/NAP
Start	12722	End	12879
GI	6069646	Score	65
Exons	12722..12879		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	45805	Seq. ID	OJ000221_13.0321.C6
Gene No.	96976	Strand	-
Start	12772	End	15635
Name	OJ000221_13.0321.C6.o2.gs	Method	GENSCAN
Start	12772	End	15635
GI	none	Score	.52
Exons	12772..12918, 13534..13670, 15608..15635		

Seq. No.	45805	Seq. ID	OJ000221_13.0321.C6
Gene No.	96977	Strand	-
Start	15809	End	18307
Name	OJ000221_13.0321.C6.o3.gs	Method	GENSCAN
Start	15809	End	18307
GI	none	Score	.44
Exons	15809..15933, 18163..18307		

Seq. No.	45805	Seq. ID	OJ000221_13.0321.C6
Gene No.	96978	Strand	-
Start	19214	End	19513
Name	OJ000221_13.0321.C6.o4.gs	Method	GENSCAN
Start	19214	End	19513
GI	none	Score	.9
Exons	19214..19333, 19421..19513		

Seq. No.	45806	Seq. ID	OJ000221_13.0321.C7
Gene No.	96979	Strand	+
Start	239	End	2351
Name	OJ000221_13.0321.C7.o1.gs	Method	GENSCAN
Start	239	End	2351
GI	none	Score	.76
Exons	239..309, 372..467, 976..1213, 2259..2351		

Seq. No.	45807	Seq. ID	OJ000221_13.0321.C8
Gene No.	96980	Strand	+
Start	1284	End	6534
Name	OJ000221_13.0321.C8.o1.gs	Method	GENSCAN
Start	1284	End	6225
GI	none	Score	.5
Exons	1284..1339, 1544..1645, 1654..1705, 1902..2011, 2852..3011, 3067..4367, 4411..4770, 5409..6225		

Seq. No.	45807	Seq. ID	OJ000221_13.0321.C8
Gene No.	96980	Strand	+
Start	1284	End	6534
Name	OJ000221_13.0321.C8.o2.np	Method	AAT/NAP
Start	2426	End	6534
GI	5042454	Score	3930
Exons	2426..2561, 2901..3011, 3067..4770, 5409..6037, 6484..6534		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	45807	Seq. ID	OJ000221_13.0321.C8
Gene No.	96981	Strand	-
Start	1972	End	2657
Name	OJ000221_13.0321.C8.o1.np	Method	AAT/NAP
Start	1972	End	2657
GI	7523512	Score	106
Exons	1972..2107, 2520..2657		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	45807	Seq. ID	OJ000221_13.0321.C8
Gene No.	96982	Strand	-
Start	6274	End	6534
Name	OJ000221_13.0321.C8.o1.tw	Method	TBLASTX:Wheat
Start	3736	End	4128
GI	none	Score	57
Exons	3736..3783, 3790..3888, 3807..3887, 3855..4094, 3871..4128		

Seq. No.	45807	Seq. ID	OJ000221_13.0321.C8
Gene No.	96982	Strand	-
Start	6274	End	6534
Name	OJ000221_13.0321.C8.o1.tm	Method	TBLASTX:Maize
Start	3741	End	4026
GI	none	Score	193
Exons	3741..4025, 3778..4026		

Seq. No.	45807	Seq. ID	OJ000221_13.0321.C8
Gene No.	96982	Strand	-
Start	6274	End	6534
Name	OJ000221_13.0321.C8.o2.tm	Method	TBLASTX:Maize
Start	4628	End	4771
GI	none	Score	180
Exons	4628..4771, 4633..4767		

Seq. No.	45807	Seq. ID	OJ000221_13.0321.C8
Gene No.	96982	Strand	-
Start	6274	End	6534
Name	OJ000221_13.0321.C8.o3.np	Method	AAT/NAP
Start	6274	End	6534

GI	7523512	Score	108
Exons	6274..6534		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	45808	Seq. ID	OJ000221_13.0321.C9
Gene No.	96983	Strand	+
Start	1	End	222
Name	OJ000221_13.0321.C9.o1.np	Method	AAT/NAP
Start	1	End	222
GI	5042454	Score	71
Exons	1..19, 154..222		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	45808	Seq. ID	OJ000221_13.0321.C9
Gene No.	96984	Strand	+
Start	277	End	3935
Name	OJ000221_13.0321.C9.o2.np	Method	AAT/NAP
Start	277	End	3935
GI	5042454	Score	112
Exons	277..404, 3898..3935		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	45808	Seq. ID	OJ000221_13.0321.C9
Gene No.	96985	Strand	-
Start	3327	End	4279
Name	OJ000221_13.0321.C9.o2.gs	Method	GENSCAN
Start	3327	End	4279
GI	none	Score	.74
Exons	3327..3371, 4140..4279		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96986	Strand	+
Start	16594	End	19775
Name	OJ000221_13.0321.C10.o4.np	Method	AAT/NAP
Start	16594	End	19772
GI	7340884	Score	3921
Exons	16594..16812, 17021..17074, 17299..17349, 17517..18635, 18686..19182, 19294..19772		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96986	Strand	+
Start	16594	End	19775
Name	OJ000221_13.0321.C10.o3.gs	Method	GENSCAN
Start	17484	End	19775
GI	none	Score	.61
Exons	17484..18612, 19255..19775		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96987	Strand	+
Start	31599	End	31840
Name	OJ000221_13.0321.C10.o6.gp	Method	AAT/GAP
Start	31599	End	31840
GI	none	Score	382
Exons	31599..31840		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96988	Strand	-
Start	3360	End	16920
Name	OJ000221_13.0321.C10.o1.gp	Method	AAT/GAP
Start	3043	End	3370
GI	none	Score	611
Exons	3043..3370		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96988	Strand	-
Start	3360	End	16920
Name	OJ000221_13.0321.C10.o1.gs	Method	GENSCAN
Start	3360	End	13135
GI	none	Score	.47
Exons	3360..3581, 4046..4171, 4333..4473, 4564..4740, 6252..6434, 7060..7124, 8674..8913, 9433..9541, 9578..9860, 9927..10114, 10861..11008, 11118..11494, 12878..13135		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96988	Strand	-
Start	3360	End	16920
Name	OJ000221_13.0321.C10.o1.np	Method	AAT/NAP
Start	3369	End	6419
GI	7263552	Score	796
Exons	3369..3607, 3743..3810, 3904..3974, 4046..4147, 4333..4473, 4564..4740, 6252..6419		
GI Descrip.	(AL161667) Ca-dependent solute carrier-like protein [Arabidopsis thaliana]		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96988	Strand	-
Start	3360	End	16920
Name	OJ000221_13.0321.C10.o2.np	Method	AAT/NAP
Start	10852	End	16920
GI	7263548	Score	428
Exons	10852..11008, 11118..11485, 12863..12994, 16781..16920		
GI Descrip.	(AL161667) putative protein [Arabidopsis thaliana]		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96988	Strand	-
Start	3360	End	16920
Name	OJ000221_13.0321.C10.o2.gp	Method	AAT/GAP
Start	10911	End	11507
GI	72580_1.R1084	Score	857
Exons	10911..11008, 11118..11507		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-158 Rice complete chloroplast genome'		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96988	Strand	-
Start	3360	End	16920
Name	OJ000221_13.0321.C10.o3.np	Method	AAT/NAP
Start	14443	End	16462
GI	4680339	Score	110
Exons	14443..14514, 14743..14934, 16271..16462		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96988	Strand	-
Start	3360	End	16920
Name	OJ000221_13.0321.C10.o2.gs	Method	GENSCAN
Start	14563	End	16677
GI	none	Score	1
Exons	14563..16677		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96989	Strand	-
Start	20290	End	20946
Name	OJ000221_13.0321.C10.o4.gs	Method	GENSCAN
Start	20290	End	20946
GI	none	Score	.92
Exons	20290..20688, 20734..20946		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96990	Strand	-
Start	22293	End	26830
Name	OJ000221_13.0321.C10.o6.np	Method	AAT/NAP
Start	22148	End	24114
GI	4680339	Score	103
Exons	22148..22198, 22374..22586, 24078..24114		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96990	Strand	-
Start	22293	End	26830
Name	OJ000221_13.0321.C10.o5.gs	Method	GENSCAN
Start	22293	End	26830
GI	none	Score	.78
Exons	22293..22786, 22838..23088, 23127..23332, 23373..23778, 23815..24140, 24374..24490, 25099..25246, 25346..25752, 26618..26830		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96990	Strand	-
Start	22293	End	26830
Name	OJ000221_13.0321.C10.o7.np	Method	AAT/NAP
Start	25090	End	26692
GI	7263548	Score	293
Exons	25090..25246, 25346..25549, 25580..25746, 26618..26692		
GI Descrip.	(AL161667) putative protein [Arabidopsis thaliana]		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96991	Strand	-
Start	27528	End	29515
Name	OJ000221_13.0321.C10.o3.gp	Method	AAT/GAP
Start	27332	End	27994
GI	93437_1.R1084	Score	1074
Exons	27332..27687, 27780..27994		
GI Descrip.	'1621495/dbj|BAA12903| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]'		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96991	Strand	-
Start	27528	End	29515

Name	OJ000221_13.0321.C10.o6.gs	Method	GENSCAN
Start	27528	End	29474
GI	none	Score	.98
Exons	27528..27687, 27780..28162, 29190..29474		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96991	Strand	-
Start	27528	End	29515
Name	OJ000221_13.0321.C10.o4.gp	Method	AAT/GAP
Start	29227	End	29515
GI	none	Score	532
Exons	29227..29515		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96992	Strand	-
Start	30256	End	31669
Name	OJ000221_13.0321.C10.o5.gp	Method	AAT/GAP
Start	30256	End	30714
GI	none	Score	890
Exons	30256..30714		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96992	Strand	-
Start	30256	End	31669
Name	OJ000221_13.0321.C10.o7.gs	Method	GENSCAN
Start	30391	End	31669
GI	none	Score	.74
Exons	30391..30659, 30709..30732, 31338..31436, 31642..31669		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96993	Strand	-
Start	31795	End	32592
Name	OJ000221_13.0321.C10.o2.tc	Method	TBLASTX:Cress
Start	3390	End	3591
GI	none	Score	86
Exons	3390..3506, 3405..3590, 3406..3591		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96993	Strand	-
Start	31795	End	32592
Name	OJ000221_13.0321.C10.o1.ts	Method	TBLASTX:Soybean
Start	3400	End	3626
GI	none	Score	105
Exons	3400..3495, 3405..3626, 3553..3612		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96993	Strand	-
Start	31795	End	32592
Name	OJ000221_13.0321.C10.o7.tm	Method	TBLASTX:Maize
Start	4567	End	6350
GI	none	Score	239
Exons	4567..4743, 4568..4741, 4568..4765, 6246..6350, 6250..6342		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96993	Strand	-
Start	31795	End	32592
Name	OJ000221_13.0321.C10.o2.ts	Method	TBLASTX:Soybean

Start	10855	End	27678
GI	none	Score	149
Exons	10855..10998, 10859..10999, 25096..25236, 25097..25237, 27526..27678, 27534..27674		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96993	Strand	-
Start	31795	End	32592
Name	OJ000221_13.0321.C10.o1.tm	Method	TBLASTX:Maize
Start	10858	End	29309
GI	none	Score	68
Exons	10858..11010, 10859..11011, 11120..11152, 11171..11245, 11363..11497, 25069..25248, 25097..25225, 25375..25707, 27501..27692, 27502..27690, 27779..27853, 27806..27931, 27813..27935, 27825..27935, 27826..27942, 27827..27943, 27989..28168, 28007..28168, 28024..28173, 29190..29255, 29190..29309		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96993	Strand	-
Start	31795	End	32592
Name	OJ000221_13.0321.C10.o1.tc	Method	TBLASTX:Cress
Start	10861	End	28162
GI	none	Score	129
Exons	10861..11004, 10862..11014, 11120..11152, 11174..11242, 11387..11491, 25099..25242, 25100..25252, 25345..25371, 25390..25566, 25400..25546, 27540..27683, 27541..27678, 27782..27838, 27788..27835, 27840..27926, 28058..28162		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96993	Strand	-
Start	31795	End	32592
Name	OJ000221_13.0321.C10.o3.tm	Method	TBLASTX:Maize
Start	17751	End	18260
GI	none	Score	69
Exons	17751..17831, 17787..18149, 17885..18145, 17898..18149, 18147..18212, 18165..18227, 18222..18260		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96993	Strand	-
Start	31795	End	32592
Name	OJ000221_13.0321.C10.o2.tm	Method	TBLASTX:Maize
Start	18354	End	18670
GI	none	Score	95
Exons	18354..18434, 18423..18662, 18444..18668, 18449..18670		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96993	Strand	-
Start	31795	End	32592
Name	OJ000221_13.0321.C10.o6.tm	Method	TBLASTX:Maize
Start	18866	End	19222
GI	none	Score	106
Exons	18866..19072, 18867..19214, 18885..19070, 18887..19222		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96993	Strand	-
Start	31795	End	32592

Name	OJ000221_13.0321.C10.o5.tm	Method	TBLASTX:Maize
Start	19457	End	19706
GI	none	Score	299
Exons	19457..19705, 19461..19706		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96993	Strand	-
Start	31795	End	32592
Name	OJ000221_13.0321.C10.o4.tm	Method	TBLASTX:Maize
Start	31695	End	32151
GI	none	Score	82
Exons	31695..31811, 31696..31812, 31806..31898, 31843..31899, 31849..31899, 31961..32119, 31971..32123, 31975..32151, 31986..32123		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96993	Strand	-
Start	31795	End	32592
Name	OJ000221_13.0321.C10.o7.gp	Method	AAT/GAP
Start	31795	End	32089
GI	3107133	Score	484
Exons	31795..32089		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96993	Strand	-
Start	31795	End	32592
Name	OJ000221_13.0321.C10.o8.np	Method	AAT/NAP
Start	31969	End	32592
GI	6723417	Score	150
Exons	31969..32151, 32570..32592		
GI Descrip.	(AL132965) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45809	Seq. ID	OJ000221_13.0321.C10
Gene No.	96993	Strand	-
Start	31795	End	32592
Name	OJ000221_13.0321.C10.o3.tc	Method	TBLASTX:Cress
Start	31977	End	32151
GI	none	Score	64
Exons	31977..32111, 31979..32119, 31981..32151		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96994	Strand	+
Start	2077	End	5693
Name	OJ000221_13.0321.C11.o2.gs	Method	GENSCAN
Start	2077	End	5693
GI	none	Score	.72
Exons	2077..2079, 2118..2555, 2761..2831, 3138..3180, 5070..5693		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96995	Strand	+
Start	6465	End	10990
Name	OJ000221_13.0321.C11.o3.np	Method	AAT/NAP
Start	6465	End	10990
GI	7485432	Score	529
Exons	6465..6503, 7178..7321, 7497..7570, 7699..7753, 7984..8111, 8740..8805, 10963..10990		
GI Descrip.	hypothetical protein F13M22.18 - Arabidopsis thaliana		

gi|3236250|gb|AAC23638.1| (AC004684) hypothetical protein [Arabidopsis thaliana]

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96995	Strand	+
Start	6465	End	10990
Name	OJ000221_13.0321.C11.o4.gs	Method	GENSCAN
Start	7002	End	8290
GI	none	Score	.86
Exons	7002..7010, 7178..7321, 7831..7893, 7984..8111, 8212..8290		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96996	Strand	-
Start	398	End	2498
Name	OJ000221_13.0321.C11.o1.np	Method	AAT/NAP
Start	398	End	2183
GI	6723417	Score	515
Exons	398..813, 1922..1963, 2061..2183		
GI Descrip.	(AL132965) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96996	Strand	-
Start	398	End	2498
Name	OJ000221_13.0321.C11.o1.gs	Method	GENSCAN
Start	402	End	750
GI	none	Score	.99
Exons	402..750		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96996	Strand	-
Start	398	End	2498
Name	OJ000221_13.0321.C11.o1.gp	Method	AAT/GAP
Start	666	End	2498
GI	3061080	Score	798
Exons	666..770, 1374..1415, 1924..1963, 2061..2248, 2413..2498		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96997	Strand	-
Start	3592	End	7107
Name	OJ000221_13.0321.C11.o2.gp	Method	AAT/GAP
Start	3592	End	4432
GI	2464_1.R1084	Score	716
Exons	3592..3873, 3994..4057, 4322..4432		
GI Descrip.	'2344892 7.0e-12 (AC002388) unknown protein [Arabidopsis thaliana]'		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96997	Strand	-
Start	3592	End	7107
Name	OJ000221_13.0321.C11.o2.np	Method	AAT/NAP
Start	3825	End	7107
GI	7486947	Score	388
Exons	3825..3873, 3994..4054, 4320..4420, 5251..5476, 7045..7107		
GI Descrip.	hypothetical protein T13E15.7 - Arabidopsis thaliana gi|2344892|gb|AAC31832.1| (AC002388) unknown protein [Arabidopsis thaliana]		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96997	Strand	-
Start	3592	End	7107
Name	OJ000221_13.0321.C11.o3.gp	Method	AAT/GAP
Start	4763	End	5580
GI	7340_1.R1084	Score	842
Exons	4763..4846, 4998..5070, 5262..5580		
GI Descrip.	'2344892 7.0e-17 (AC002388) unknown protein [Arabidopsis thaliana]'		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96997	Strand	-
Start	3592	End	7107
Name	OJ000221_13.0321.C11.o3.gs	Method	GENSCAN
Start	5898	End	6498
GI	none	Score	.65
Exons	5898..5996, 6412..6498		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96998	Strand	-
Start	8709	End	14670
Name	OJ000221_13.0321.C11.o1.tc	Method	TBLASTX:Cress
Start	397	End	2183
GI	none	Score	300
Exons	397..768, 401..769, 456..770, 2061..2183		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96998	Strand	-
Start	8709	End	14670
Name	OJ000221_13.0321.C11.o2.tm	Method	TBLASTX:Maize
Start	398	End	2190
GI	none	Score	460
Exons	398..772, 400..771, 402..773, 405..776, 1367..1462, 1372..1464, 1373..1453, 1922..1963, 1923..1964, 1923..1964, 2046..2183, 2047..2184, 2077..2190		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96998	Strand	-
Start	8709	End	14670
Name	OJ000221_13.0321.C11.o1.ts	Method	TBLASTX:Soybean
Start	400	End	2183
GI	none	Score	284
Exons	400..768, 401..757, 2061..2183		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96998	Strand	-
Start	8709	End	14670
Name	OJ000221_13.0321.C11.o1.tw	Method	TBLASTX:Wheat
Start	6388	End	7723
GI	none	Score	53
Exons	6388..6480, 6429..6485, 6464..6517, 6473..6517, 6975..7073, 6988..7071, 7034..7072, 7148..7324, 7177..7323, 7496..7570, 7497..7571, 7528..7575, 7697..7723		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96998	Strand	-
Start	8709	End	14670

Name	OJ000221_13.0321.C11.o5.tm	Method	TBLASTX:Maize
Start	6420	End	7553
GI	none	Score	76
Exons	6420..6485, 6464..6517, 7009..7071, 7030..7071, 7181..7324, 7183..7323, 7236..7325, 7496..7552, 7497..7553, 7497..7553		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96998	Strand	-
Start	8709	End	14670
Name	OJ000221_13.0321.C11.o3.tm	Method	TBLASTX:Maize
Start	7554	End	8577
GI	none	Score	35
Exons	7554..7571, 7687..7752, 7697..7753, 7807..7893, 7819..7893, 7823..7900, 7982..8110, 7983..8111, 7984..8109, 8187..8291, 8190..8294, 8210..8311, 8210..8299, 8335..8361, 8336..8365, 8369..8425, 8497..8577		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96998	Strand	-
Start	8709	End	14670
Name	OJ000221_13.0321.C11.o5.gs	Method	GENSCAN
Start	8709	End	14670
GI	none	Score	.65
Exons	8709..8818, 9062..9685, 9815..10123, 11045..11241, 11497..11815, 11825..11969, 12091..12433, 12794..12912, 13082..13513, 13658..13748, 13834..13943, 14561..14670		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96998	Strand	-
Start	8709	End	14670
Name	OJ000221_13.0321.C11.o7.tm	Method	TBLASTX:Maize
Start	8743	End	9293
GI	none	Score	36
Exons	8743..8775, 8893..8937, 8894..8953, 8915..8977, 8943..8975, 9059..9121, 9070..9126, 9092..9265, 9095..9289, 9124..9288, 9126..9293		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96998	Strand	-
Start	8709	End	14670
Name	OJ000221_13.0321.C11.o6.tm	Method	TBLASTX:Maize
Start	9450	End	10427
GI	none	Score	163
Exons	9450..9500, 9483..9629, 9484..9606, 9594..9668, 9595..9681, 9867..9926, 9889..9927, 9925..10089, 9926..9958, 9928..10086, 9930..10103, 9969..10103, 10318..10383, 10331..10426, 10334..10420, 10338..10427		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96998	Strand	-
Start	8709	End	14670
Name	OJ000221_13.0321.C11.o2.ts	Method	TBLASTX:Soybean
Start	11445	End	11750
GI	none	Score	61
Exons	11445..11750, 11472..11624, 11512..11727		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11

Gene No.	96998	Strand	-
Start	8709	End	14670
Name	OJ000221_13.0321.C11.o1.tm	Method	TBLASTX:Maize
Start	11472	End	11946
GI	none	Score	401
Exons	11472..11945, 11473..11946		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96998	Strand	-
Start	8709	End	14670
Name	OJ000221_13.0321.C11.o4.tc	Method	TBLASTX:Cress
Start	11478	End	11768
GI	none	Score	110
Exons	11478..11768, 11481..11705, 11512..11727		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96998	Strand	-
Start	8709	End	14670
Name	OJ000221_13.0321.C11.o2.tc	Method	TBLASTX:Cress
Start	11931	End	12360
GI	none	Score	115
Exons	11931..11975, 12091..12360, 12098..12292, 12159..12335, 12166..12360		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96998	Strand	-
Start	8709	End	14670
Name	OJ000221_13.0321.C11.o4.tm	Method	TBLASTX:Maize
Start	12089	End	13250
GI	none	Score	253
Exons	12089..12133, 12162..12431, 12163..12432, 12166..12432, 12797..12913, 12797..12916, 13079..13249, 13083..13250, 13083..13250		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96998	Strand	-
Start	8709	End	14670
Name	OJ000221_13.0321.C11.o3.ts	Method	TBLASTX:Soybean
Start	12175	End	12357
GI	none	Score	72
Exons	12175..12357, 12176..12292		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96998	Strand	-
Start	8709	End	14670
Name	OJ000221_13.0321.C11.o3.tc	Method	TBLASTX:Cress
Start	13079	End	13391
GI	none	Score	77
Exons	13079..13180, 13080..13181, 13172..13390, 13173..13247, 13356..13391		

Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96998	Strand	-
Start	8709	End	14670
Name	OJ000221_13.0321.C11.o4.ts	Method	TBLASTX:Soybean
Start	13172	End	13390
GI	none	Score	72

Exons	13172..13390, 13173..13247, 13313..13390		
Seq. No.	45810	Seq. ID	OJ000221_13.0321.C11
Gene No.	96998	Strand	-
Start	8709	End	14670
Name	OJ000221_13.0321.C11.o4.gp	Method	AAT/GAP
Start	13357	End	14612
GI	LIB3432-008-P1-K1-D4	Score	714
Exons	13357..13513, 13658..13748, 13834..13943, 14561..14612		
GI Descrip.	'1730738/sp|P53946|ARP5_YEAST 4.0e-09 ACTIN-LIKE PROTEIN ARP5 >gi_2133044_pir__S58718 probable nuclear protein YNL059c - yeast (Saccharomyces cerevisiae) >gi_994827 (U12141) Ynl2430p [Saccharomyces cerevisiae] >gi_1301932_emb_CAA95933_ (Z71335) ORF YNL059c [Saccharomyces cerevisiae]'		
Seq. No.	45811	Seq. ID	OJ000221_13.0321.C12
Gene No.	96999	Strand	-
Start	428	End	831
Name	OJ000221_13.0321.C12.o1.gs	Method	GENSCAN
Start	428	End	831
GI	none	Score	.59
Exons	428..436, 763..831		
Seq. No.	45812	Seq. ID	OJ000221_04.0313.C1
Gene No.	97000	Strand	+
Start	1720	End	2077
Name	OJ000221_04.0313.C1.o1.gp	Method	AAT/GAP
Start	1720	End	2077
GI	2309883	Score	478
Exons	1720..2077		
GI Descrip.	2149018/gb|U70541|OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds		
Seq. No.	45812	Seq. ID	OJ000221_04.0313.C1
Gene No.	97001	Strand	+
Start	13702	End	15109
Name	OJ000221_04.0313.C1.o4.gs	Method	GENSCAN
Start	13702	End	15109
GI	none	Score	.59
Exons	13702..13721, 14981..15041, 15059..15109		
Seq. No.	45812	Seq. ID	OJ000221_04.0313.C1
Gene No.	97002	Strand	-
Start	4363	End	9830
Name	OJ000221_04.0313.C1.o2.gp	Method	AAT/GAP
Start	4056	End	5965
GI	394_1.R1084	Score	3298
Exons	4056..4644, 4733..5671, 5796..5965		
GI Descrip.	'169770/gb|M59351|RICAMY3D 1.0e-125 Rice alpha-amylase (RAmy3D) gene, complete cds, clone lambda-OSg1A'		
Seq. No.	45812	Seq. ID	OJ000221_04.0313.C1
Gene No.	97002	Strand	-
Start	4363	End	9830
Name	OJ000221_04.0313.C1.o2.gs	Method	GENSCAN
Start	4363	End	9830

GI	none	Score	.74
Exons	4363..4644, 4733..5671, 5796..5987, 6017..6264, 7189..7261, 7625..7986, 8142..8399, 8453..8509, 9529..9709, 9807..9830		

Seq. No.	45812	Seq. ID	OJ000221_04.0313.C1
Gene No.	97002	Strand	-
Start	4363	End	9830
Name	OJ000221_04.0313.C1.o1.np	Method	AAT/NAP
Start	4366	End	5885
GI	113682	Score	2291
Exons	4366..4644, 4733..5671, 5796..5885		
GI Descrip.	ALPHA-AMYLASE ISOZYME 3D PRECURSOR (1,4-ALPHA-D-GLUCAN GLUCANOHYDROLASE) gi|82457|pir||S12625 alpha-amylase (EC 3.2.1.1) 3D - rice gi|169771|gb|AAA33895.1| (M59351) alpha-amylase [Oryza sativa]		

Seq. No.	45812	Seq. ID	OJ000221_04.0313.C1
Gene No.	97002	Strand	-
Start	4363	End	9830
Name	OJ000221_04.0313.C1.o3.gp	Method	AAT/GAP
Start	6037	End	6283
GI	426358	Score	486
Exons	6037..6283		
GI Descrip.	169770/gb|M59351|RICAMY3D 1.0e-125 Rice alpha-amylase (RAmy3D) gene, complete cds, clone lambda-OSg1A		

Seq. No.	45812	Seq. ID	OJ000221_04.0313.C1
Gene No.	97003	Strand	-
Start	10251	End	12221
Name	OJ000221_04.0313.C1.o1.tm	Method	TBLASTX:Maize
Start	4369	End	12007
GI	none	Score	212
Exons	4369..4644, 4370..4651, 4733..5680, 4734..5027, 5064..5672, 5627..5680, 5794..5847, 5795..5875, 10502..10780, 10512..10778, 10520..10780, 10866..11138, 10866..11807, 10867..11805, 11948..12007		

Seq. No.	45812	Seq. ID	OJ000221_04.0313.C1
Gene No.	97003	Strand	-
Start	10251	End	12221
Name	OJ000221_04.0313.C1.o1.ts	Method	TBLASTX:Soybean
Start	4402	End	11807
GI	none	Score	79
Exons	4402..4644, 4403..4645, 4733..5029, 4734..4880, 4760..5005, 4926..5015, 5057..5647, 5064..5642, 10533..10781, 10538..10780, 10866..11162, 10872..11138, 10873..11142, 11193..11780, 11197..11784, 11767..11805, 11772..11807		

Seq. No.	45812	Seq. ID	OJ000221_04.0313.C1
Gene No.	97003	Strand	-
Start	10251	End	12221
Name	OJ000221_04.0313.C1.o2.tc	Method	TBLASTX:Cress
Start	4733	End	11051
GI	none	Score	117
Exons	4733..4918, 4740..4880, 10613..10744, 10866..11051, 10873..11016		

Seq. No.	45812	Seq. ID	OJ000221_04.0313.C1

Gene No.	97003	Strand	-
Start	10251	End	12221
Name	OJ000221_04.0313.C1.o1.tc	Method	TBLASTX:Cress
Start	4949	End	11768
GI	none	Score	39
Exons	4949..5029, 5042..5305, 5360..5503, 5361..5510, 5501..5635, 5517..5636, 11082..11162, 11083..11148, 11175..11438, 11176..11307, 11493..11636, 11634..11768		

Seq. No.	45812	Seq. ID	OJ000221_04.0313.C1
Gene No.	97003	Strand	-
Start	10251	End	12221
Name	OJ000221_04.0313.C1.o4.gp	Method	AAT/GAP
Start	10251	End	11036
GI	394_2.R1084	Score	1297
Exons	10251..10780, 10866..11036		
GI Descrip.	'113683/sp|P27934|AM3E_ORYSA 1.0e-55 ALPHA-AMYLASE ISOZYME 3E PRECURSOR (1,4-ALPHA-D-GLUCAN GLUCANOHYDROLASE) >gi_100663_pir__JT0946 alpha-amylase 3E - rice >gi_169773 (M59352) alpha-amylase [Oryza sativa]'		

Seq. No.	45812	Seq. ID	OJ000221_04.0313.C1
Gene No.	97003	Strand	-
Start	10251	End	12221
Name	OJ000221_04.0313.C1.o5.gp	Method	AAT/GAP
Start	10283	End	11435
GI	394_9.R1084	Score	1210
Exons	10283..10304, 10537..10780, 10866..11435		
GI Descrip.	'113683/sp|P27934|AM3E_ORYSA 1.0e-117 ALPHA-AMYLASE ISOZYME 3E PRECURSOR (1,4-ALPHA-D-GLUCAN GLUCANOHYDROLASE) >gi_100663_pir__JT0946 alpha-amylase 3E - rice >gi_169773 (M59352) alpha-amylase [Oryza sativa]'		

Seq. No.	45812	Seq. ID	OJ000221_04.0313.C1
Gene No.	97003	Strand	-
Start	10251	End	12221
Name	OJ000221_04.0313.C1.o3.gs	Method	GENSCAN
Start	10336	End	12037
GI	none	Score	.62
Exons	10336..10451, 10513..10780, 10866..11804, 11948..12037		

Seq. No.	45812	Seq. ID	OJ000221_04.0313.C1
Gene No.	97003	Strand	-
Start	10251	End	12221
Name	OJ000221_04.0313.C1.o2.np	Method	AAT/NAP
Start	10499	End	12037
GI	113683	Score	2356
Exons	10499..10780, 10866..11804, 11948..12037		
GI Descrip.	ALPHA-AMYLASE ISOZYME 3E PRECURSOR (1,4-ALPHA-D-GLUCAN GLUCANOHYDROLASE) gi|100663|pir||JT0946 alpha-amylase 3E - rice gi|169773|gb|AAA33896.1| (M59352) alpha-amylase [Oryza sativa]		

Seq. No.	45812	Seq. ID	OJ000221_04.0313.C1
Gene No.	97003	Strand	-
Start	10251	End	12221
Name	OJ000221_04.0313.C1.o6.gp	Method	AAT/GAP
Start	11534	End	12221

GI	394_3.R1084	Score	878
Exons	11534..11804, 11948..12221		
GI Descrip.	'113683/sp|P27934|AM3E_ORYSA 2.0e-62 ALPHA-AMYLASE ISOZYME 3E PRECURSOR (1,4-ALPHA-D-GLUCAN GLUCANOHYDROLASE) >gi_100663_pir__JT0946 alpha-amylase 3E - rice >gi_169773 (M59352) alpha-amylase [Oryza sativa]'		

Seq. No.	45813	Seq. ID	OJ000221_04.0313.C2
Gene No.	97004	Strand	+
Start	595	End	1039
Name	OJ000221_04.0313.C2.o1.gs	Method	GENSCAN
Start	595	End	1039
GI	none	Score	.6
Exons	595..922, 948..1039		

Seq. No.	45813	Seq. ID	OJ000221_04.0313.C2
Gene No.	97005	Strand	+
Start	2093	End	5802
Name	OJ000221_04.0313.C2.o2.gs	Method	GENSCAN
Start	2093	End	5802
GI	none	Score	.46
Exons	2093..2162, 5027..5296, 5429..5802		

Seq. No.	45813	Seq. ID	OJ000221_04.0313.C2
Gene No.	97006	Strand	-
Start	6709	End	10232
Name	OJ000221_04.0313.C2.o3.gs	Method	GENSCAN
Start	6709	End	10232
GI	none	Score	.45
Exons	6709..6968, 7040..7225, 7850..8027, 9882..10232		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97007	Strand	+
Start	2649	End	3162
Name	OJ000221_04.0313.C3.o1.gp	Method	AAT/GAP
Start	2649	End	3162
GI	38782_1.R1084	Score	817
Exons	2649..3162		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97008	Strand	+
Start	8072	End	8289
Name	OJ000221_04.0313.C3.o3.np	Method	AAT/NAP
Start	8072	End	8289
GI	7340884	Score	134
Exons	8072..8289		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97009	Strand	+
Start	8622	End	9031
Name	OJ000221_04.0313.C3.o2.gs	Method	GENSCAN
Start	8622	End	9031
GI	none	Score	.72

Exons	8622..8674, 8830..9031		
Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97010	Strand	+
Start	13298	End	15462
Name	OJ000221_04.0313.C3.o4.gs	Method	GENSCAN
Start	13298	End	15462
GI	none	Score	.69
Exons	13298..13331, 13920..14334, 14402..14480, 15292..15462		
Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97011	Strand	+
Start	16006	End	16164
Name	OJ000221_04.0313.C3.o5.gs	Method	GENSCAN
Start	16006	End	16164
GI	none	Score	.96
Exons	16006..16164		
Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97012	Strand	+
Start	21309	End	31330
Name	OJ000221_04.0313.C3.o8.gs	Method	GENSCAN
Start	21309	End	31330
GI	none	Score	.66
Exons	21309..21396, 21676..21892, 22165..22288, 22335..22413, 22467..22591, 23140..23266, 23350..23449, 24414..24494, 26453..26663, 26801..26971, 27003..27218, 27322..27474, 27560..27893, 27948..28037, 28621..28699, 30651..30709, 30928..31046, 31160..31330		
Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97012	Strand	+
Start	21309	End	31330
Name	OJ000221_04.0313.C3.o3.gp	Method	AAT/GAP
Start	26188	End	26744
GI	44454_1.R1084	Score	916
Exons	26188..26667, 26716..26744		
GI Descrip.	'3046815/emb|CAA16713.1| 5.0e-13 (AL021687) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97012	Strand	+
Start	21309	End	31330
Name	OJ000221_04.0313.C3.o5.np	Method	AAT/NAP
Start	26353	End	31247
GI	7430729	Score	1040
Exons	26353..26464, 26537..26663, 26801..27122, 27322..27474, 27560..27832, 27948..28037, 28621..28699, 30220..30326, 30928..31046, 31160..31247		
GI Descrip.	cytochrome P450 homolog T9I4.17 - Arabidopsis thaliana gi|3461849|gb|AAC33235.1| (AC005315) putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97012	Strand	+
Start	21309	End	31330
Name	OJ000221_04.0313.C3.o4.gp	Method	AAT/GAP

Start	27375	End	27988
GI	uC-osroM202008g10a1	Score	784
Exons	27375..27474, 27560..27832, 27948..27988		
GI Descrip.	'3046815/emb|CAA16713.1| 7.0e-25 (AL021687) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97013	Strand	+
Start	32978	End	34605
Name	OJ000221_04.0313.C3.o9.gs	Method	GENSCAN
Start	32978	End	34605
GI	none	Score	.68
Exons	32978..33099, 33347..33419, 33805..33874, 34445..34605		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97014	Strand	+
Start	35074	End	36367
Name	OJ000221_04.0313.C3.o6.np	Method	AAT/NAP
Start	35074	End	36367
GI	7339719	Score	115
Exons	35074..35398, 36338..36367		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97015	Strand	-
Start	1	End	7188
Name	OJ000221_04.0313.C3.o1.np	Method	AAT/NAP
Start	1	End	1209
GI	6907086	Score	1168
Exons	1..386, 447..1209		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97015	Strand	-
Start	1	End	7188
Name	OJ000221_04.0313.C3.o1.gs	Method	GENSCAN
Start	32	End	7188
GI	none	Score	.67
Exons	32..328, 631..912, 1943..2153, 2159..2333, 2754..3049, 3690..3817, 3828..3953, 4232..4323, 7127..7188		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97015	Strand	-
Start	1	End	7188
Name	OJ000221_04.0313.C3.o2.np	Method	AAT/NAP
Start	1919	End	2919
GI	4680186	Score	193
Exons	1919..2337, 2845..2919		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97016	Strand	-
Start	9869	End	13102
Name	OJ000221_04.0313.C3.o3.gs	Method	GENSCAN
Start	9869	End	13102
GI	none	Score	.87
Exons	9869..10387, 11388..11489, 11592..11684, 11758..11970,		

12055..12295, 12385..12743, 12890..13102

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97017	Strand	-
Start	16872	End	18286
Name	OJ000221_04.0313.C3.o6.gs	Method	GENSCAN
Start	16872	End	18286
GI	none	Score	.98
Exons	16872..17648, 18200..18286		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97017	Strand	-
Start	16872	End	18286
Name	OJ000221_04.0313.C3.o2.gp	Method	AAT/GAP
Start	17628	End	18088
GI	LIB3432-059-P1-K1-D8	Score	736
Exons	17628..18088		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97018	Strand	-
Start	18543	End	20894
Name	OJ000221_04.0313.C3.o4.np	Method	AAT/NAP
Start	18543	End	20894
GI	5911167	Score	1481
Exons	18543..20657, 20699..20894		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97018	Strand	-
Start	18543	End	20894
Name	OJ000221_04.0313.C3.o7.gs	Method	GENSCAN
Start	18907	End	20700
GI	none	Score	.54
Exons	18907..20700		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97019	Strand	-
Start	35628	End	47189
Name	OJ000221_04.0313.C3.o10.gs	Method	GENSCAN
Start	35628	End	46917
GI	none	Score	.59
Exons	35628..35728, 35759..35855, 37099..37265, 37501..37618, 38451..38605, 39923..40259, 41063..41231, 42189..42345, 42807..42911, 43782..44023, 44542..44702, 45783..45959, 46525..46917		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97019	Strand	-
Start	35628	End	47189
Name	OJ000221_04.0313.C3.o7.np	Method	AAT/NAP
Start	39315	End	47189
GI	5702039	Score	1444
Exons	39315..39567, 41004..41231, 42189..42342, 42804..42911, 43782..44023, 44542..44702, 46525..46644, 46690..46890, 47129..47189		

GI Descrip. (Y18529) Fuct c3 protein [Vigna radiata]

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97019	Strand	-
Start	35628	End	47189
Name	OJ000221_04.0313.C3.o5.gp	Method	AAT/GAP
Start	42878	End	46584
GI	uC-osroM202031f05b1	Score	926
Exons	42878..42911, 43782..44023, 44542..44702, 46525..46584		
GI Descrip.	'5702039/emb|CAB52254.1| 5.0e-66 (Y18529) Fuct c3 protein [Vigna radiata]'		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o8.tm	Method	TBLASTX:Maize
Start	11755	End	12174
GI	none	Score	99
Exons	11755..11973, 11759..11932, 12088..12174		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o7.tm	Method	TBLASTX:Maize
Start	17394	End	18274
GI	none	Score	172
Exons	17394..17615, 17395..17610, 18194..18274		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o1.tw	Method	TBLASTX:Wheat
Start	18585	End	18981
GI	none	Score	91
Exons	18585..18947, 18625..18831, 18952..18981		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o1.tm	Method	TBLASTX:Maize
Start	18633	End	19129
GI	none	Score	325
Exons	18633..18950, 18634..18957, 18946..19128, 18952..19113, 18953..19129		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o3.ts	Method	TBLASTX:Soybean
Start	18681	End	19071
GI	none	Score	130
Exons	18681..18905, 18682..18876, 18952..19071, 18959..19039		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o3.tm	Method	TBLASTX:Maize

Start	19159	End	19621
GI	none	Score	159
Exons	19159..19386, 19162..19329, 19361..19621, 19369..19620, 19403..19621		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o2.tw	Method	TBLASTX:Wheat
Start	19736	End	20037
GI	none	Score	107
Exons	19736..20023, 19777..20037		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o2.tm	Method	TBLASTX:Maize
Start	19777	End	20245
GI	none	Score	189
Exons	19777..20079, 19777..20094, 19778..20083, 20086..20244, 20092..20238, 20096..20245		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o3.tc	Method	TBLASTX:Cress
Start	19822	End	20157
GI	none	Score	57
Exons	19822..20043, 19880..19975, 20057..20155, 20065..20157		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o3.tw	Method	TBLASTX:Wheat
Start	20050	End	20328
GI	none	Score	81
Exons	20050..20163, 20179..20328, 20192..20317		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o2.tc	Method	TBLASTX:Cress
Start	26560	End	26978
GI	none	Score	156
Exons	26560..26664, 26568..26657, 26798..26971, 26799..26978		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o6.tm	Method	TBLASTX:Maize
Start	26563	End	27029
GI	none	Score	174
Exons	26563..26664, 26568..26678, 26798..26971, 26799..27029		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755

Name	OJ000221_04.0313.C3.o2.ts	Method	TBLASTX:Soybean
Start	26566	End	27029
GI	none	Score	148
Exons	26566..26664, 26568..26666, 26799..27029, 26801..26971		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o4.ts	Method	TBLASTX:Soybean
Start	27400	End	31241
GI	none	Score	77
Exons	27400..27474, 27704..27829, 27704..27799, 27715..27834, 28618..28701, 28620..28700, 30218..30322, 30219..30326, 30225..30326, 30925..31047, 30930..31037, 31158..31241		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o9.tm	Method	TBLASTX:Maize
Start	27698	End	31061
GI	none	Score	199
Exons	27698..27856, 27701..27859, 27945..28040, 27980..28078, 28618..28701, 28620..28700, 28625..28705, 30217..30327, 30218..30328, 30219..30329, 30222..30329, 30916..31047, 30925..31047, 30927..31061, 30987..31049		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o4.tm	Method	TBLASTX:Maize
Start	39267	End	42871
GI	none	Score	212
Exons	39267..39560, 39304..39492, 39308..39562, 39309..39569, 39310..39570, 40998..41237, 41001..41231, 41003..41233, 42186..42371, 42187..42312, 42197..42370, 42802..42870, 42806..42871		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o1.ts	Method	TBLASTX:Soybean
Start	39292	End	42919
GI	none	Score	146
Exons	39292..39570, 39312..39578, 39312..39569, 41001..41231, 41003..41233, 41004..41234, 42186..42371, 42197..42370, 42803..42919, 42805..42918, 42818..42919		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o1.tc	Method	TBLASTX:Cress
Start	42836	End	44025
GI	none	Score	92
Exons	42836..42919, 42838..42918, 43783..44022, 43784..44023, 43787..43993, 43849..44025		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3

Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o5.tm	Method	TBLASTX:Maize
Start	43783	End	46804
GI	none	Score	284
Exons	43783..44022, 43799..44029, 43805..43993, 43935..44030, 44521..44703, 44541..44666, 44664..44708, 46525..46638, 46525..46620, 46723..46803, 46724..46804		

Seq. No.	45814	Seq. ID	OJ000221_04.0313.C3
Gene No.	97020	Strand	-
Start	47785	End	48755
Name	OJ000221_04.0313.C3.o11.gs	Method	GENSCAN
Start	47785	End	48755
GI	none	Score	.78
Exons	47785..47854, 48320..48425, 48623..48755		

Seq. No.	45815	Seq. ID	OJ000221_04.0313.C4
Gene No.	97021	Strand	+
Start	367	End	1089
Name	OJ000221_04.0313.C4.o1.gs	Method	GENSCAN
Start	367	End	1089
GI	none	Score	.97
Exons	367..391, 938..1089		

Seq. No.	45816	Seq. ID	OJ000221_04.0313.C6
Gene No.	97022	Strand	+
Start	182	End	2989
Name	OJ000221_04.0313.C6.o1.gs	Method	GENSCAN
Start	182	End	2989
GI	none	Score	.59
Exons	182..381, 411..496, 1279..1420, 1688..2989		

Seq. No.	45816	Seq. ID	OJ000221_04.0313.C6
Gene No.	97022	Strand	+
Start	182	End	2989
Name	OJ000221_04.0313.C6.o1.np	Method	AAT/NAP
Start	1793	End	2986
GI	6523045	Score	1003
Exons	1793..2986		
GI Descrip.	(AL132976) putative protein [Arabidopsis thaliana]		

Seq. No.	45816	Seq. ID	OJ000221_04.0313.C6
Gene No.	97023	Strand	-
Start	3905	End	4216
Name	OJ000221_04.0313.C6.o2.gs	Method	GENSCAN
Start	3905	End	4216
GI	none	Score	.88
Exons	3905..4216		

Seq. No.	45816	Seq. ID	OJ000221_04.0313.C6
Gene No.	97024	Strand	-
Start	5446	End	5980
Name	OJ000221_04.0313.C6.o1.tc	Method	TBLASTX:Cress
Start	1793	End	2110
GI	none	Score	60
Exons	1793..1834, 1835..1861, 1910..2110, 2032..2106		

Seq. No.	45816	Seq. ID	OJ000221_04.0313.C6
Gene No.	97024	Strand	-
Start	5446	End	5980
Name	OJ000221_04.0313.C6.o1.ts	Method	TBLASTX:Soybean
Start	1793	End	2107
GI	none	Score	62
Exons	1793..1834, 1835..1861, 1910..2107, 1979..2104, 2029..2106		

Seq. No.	45816	Seq. ID	OJ000221_04.0313.C6
Gene No.	97024	Strand	-
Start	5446	End	5980
Name	OJ000221_04.0313.C6.o1.tm	Method	TBLASTX:Maize
Start	2332	End	2701
GI	none	Score	135
Exons	2332..2418, 2336..2416, 2473..2496, 2510..2536, 2513..2563, 2641..2700, 2642..2701		

Seq. No.	45816	Seq. ID	OJ000221_04.0313.C6
Gene No.	97024	Strand	-
Start	5446	End	5980
Name	OJ000221_04.0313.C6.o3.gs	Method	GENSCAN
Start	5446	End	5980
GI	none	Score	.5
Exons	5446..5652, 5800..5980		

Seq. No.	45817	Seq. ID	OJ000211_07.0316.C1
Gene No.	97025	Strand	-
Start	210	End	803
Name	OJ000211_07.0316.C1.o1.gs	Method	GENSCAN
Start	210	End	719
GI	none	Score	.66
Exons	210..719		

Seq. No.	45817	Seq. ID	OJ000211_07.0316.C1
Gene No.	97025	Strand	-
Start	210	End	803
Name	OJ000211_07.0316.C1.o1.np	Method	AAT/NAP
Start	348	End	803
GI	6014929	Score	162
Exons	348..803		
GI Descrip.	S-ADENOSYLMETHIONINE DECARBOXYLASE PROENZYME (ADOMETDC) gi|7436595|pir||T12613 adenosylmethionine decarboxylase (EC 4.1.1.50) - common sunflower gi|3153906|gb|AAC17449.1| (AF066078) S-adenosylmethionine decarboxylase [Helianthus annuus]		

Seq. No.	45817	Seq. ID	OJ000211_07.0316.C1
Gene No.	97025	Strand	-
Start	210	End	803
Name	OJ000211_07.0316.C1.o1.tc	Method	TBLASTX:Cress
Start	450	End	734
GI	none	Score	69
Exons	450..590, 487..591, 666..734, 678..728		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97026	Strand	+

Start	3549	End	4421
Name	OJ000211_07.0316.C2.o2.gs	Method	GENSCAN
Start	3549	End	4421
GI	none	Score	.69
Exons	3549..3599, 3735..3789, 4354..4421		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97027	Strand	+
Start	5237	End	11335
Name	OJ000211_07.0316.C2.o1.np	Method	AAT/NAP
Start	5237	End	11299
GI	5922631	Score	6702
Exons	5237..5361, 5620..5867, 6102..6304, 6350..6921, 6964..7115, 7242..8165, 8772..11299		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97027	Strand	+
Start	5237	End	11335
Name	OJ000211_07.0316.C2.o3.gs	Method	GENSCAN
Start	5237	End	11335
GI	none	Score	.97
Exons	5237..8157, 8254..11335		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97028	Strand	+
Start	15903	End	16058
Name	OJ000211_07.0316.C2.o1.gp	Method	AAT/GAP
Start	15903	End	16058
GI	uC-osflcyp177g01a1	Score	242
Exons	15903..16058		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97029	Strand	-
Start	618	End	1206
Name	OJ000211_07.0316.C2.o1.gs	Method	GENSCAN
Start	618	End	1206
GI	none	Score	.59
Exons	618..715, 1023..1206		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97030	Strand	-
Start	11652	End	17330
Name	OJ000211_07.0316.C2.o4.gs	Method	GENSCAN
Start	11652	End	17330
GI	none	Score	.51
Exons	11652..12100, 12173..12277, 12345..12494, 12597..12797, 12872..13248, 13330..13487, 13706..14629, 15474..15587, 16517..16568, 16754..16968, 17304..17330		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97030	Strand	-
Start	11652	End	17330
Name	OJ000211_07.0316.C2.o2.np	Method	AAT/NAP
Start	11655	End	14590
GI	6691716	Score	2368
Exons	11655..12100, 12173..12285, 12431..12534, 12610..12797, 12872..13034, 13128..13248, 13330..13522, 13720..14590		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o7.tw	Method	TBLASTX:Wheat
Start	6526	End	6928
GI	none	Score	294
Exons	6526..6795, 6527..6928		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o6.tw	Method	TBLASTX:Wheat
Start	7505	End	7962
GI	none	Score	149
Exons	7505..7681, 7726..7962, 7730..7960		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o1.tw	Method	TBLASTX:Wheat
Start	8182	End	8638
GI	none	Score	499
Exons	8182..8637, 8183..8638		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o3.ts	Method	TBLASTX:Soybean
Start	8222	End	8587
GI	none	Score	140
Exons	8222..8446, 8453..8587		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o2.tm	Method	TBLASTX:Maize
Start	8312	End	8668
GI	none	Score	375
Exons	8312..8668, 8353..8658		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o2.tw	Method	TBLASTX:Wheat

Start	8753	End	9177
GI	none	Score	448
Exons	8753..9172, 8797..9177, 8818..9177		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o1.ts	Method	TBLASTX:Soybean
Start	8831	End	9232
GI	none	Score	314
Exons	8831..9232, 8848..8991, 9028..9198		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o3.tm	Method	TBLASTX:Maize
Start	8899	End	9343
GI	none	Score	275
Exons	8899..9153, 8900..9154, 9175..9306, 9176..9319, 9317..9343		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o8.tw	Method	TBLASTX:Wheat
Start	9181	End	9463
GI	none	Score	273
Exons	9181..9258, 9182..9463, 9317..9451		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o2.ts	Method	TBLASTX:Soybean
Start	9458	End	9846
GI	none	Score	261
Exons	9458..9844, 9466..9846		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o4.tw	Method	TBLASTX:Wheat
Start	9467	End	9889
GI	none	Score	413
Exons	9467..9889, 9475..9879		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o5.tm	Method	TBLASTX:Maize
Start	9719	End	9973
GI	none	Score	193
Exons	9719..9973		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o10.tw	Method	TBLASTX:Wheat
Start	9905	End	10204

GI	none	Score	134
Exons	9905..10039, 10064..10204		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o1.tm	Method	TBLASTX:Maize
Start	10201	End	10564
GI	none	Score	446
Exons	10201..10512, 10202..10525, 10222..10545, 10516..10563, 10517..10564		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o3.tw	Method	TBLASTX:Wheat
Start	10207	End	10594
GI	none	Score	420
Exons	10207..10518, 10208..10594, 10403..10594		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o6.tm	Method	TBLASTX:Maize
Start	10666	End	10939
GI	none	Score	95
Exons	10666..10773, 10667..10765, 10756..10830, 10760..10843, 10853..10939		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o5.tw	Method	TBLASTX:Wheat
Start	10709	End	11323
GI	none	Score	273
Exons	10709..10987, 10709..10795, 10729..10818, 10859..10903, 10870..10971, 11042..11200, 11186..11323		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o4.tm	Method	TBLASTX:Maize
Start	11051	End	11284
GI	none	Score	153
Exons	11051..11203, 11143..11202, 11182..11283, 11183..11284		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o9.tw	Method	TBLASTX:Wheat
Start	14180	End	14470
GI	none	Score	216
Exons	14180..14470		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919

Name	OJ000211_07.0316.C2.o2.gp	Method	AAT/GAP
Start	18259	End	18919
GI	none	Score	1273
Exons	18259..18919		

Seq. No.	45818	Seq. ID	OJ000211_07.0316.C2
Gene No.	97031	Strand	-
Start	18465	End	18919
Name	OJ000211_07.0316.C2.o5.gs	Method	GENSCAN
Start	18465	End	18788
GI	none	Score	1
Exons	18465..18788		

Seq. No.	45819	Seq. ID	OJ000211_07.0316.C3
Gene No.	97032	Strand	+
Start	206	End	666
Name	OJ000211_07.0316.C3.o1.gs	Method	GENSCAN
Start	206	End	666
GI	none	Score	.72
Exons	206..332, 561..666		

Seq. No.	45820	Seq. ID	OJ000211_07.0316.C4
Gene No.	97033	Strand	+
Start	307	End	3155
Name	OJ000211_07.0316.C4.o1.gs	Method	GENSCAN
Start	307	End	3080
GI	none	Score	.71
Exons	307..379, 1176..1438, 1863..1956, 2851..3080		

Seq. No.	45820	Seq. ID	OJ000211_07.0316.C4
Gene No.	97033	Strand	+
Start	307	End	3155
Name	OJ000211_07.0316.C4.o1.gp	Method	AAT/GAP
Start	1883	End	3155
GI	3767026	Score	801
Exons	1883..1979, 2208..2256, 2851..3155		

Seq. No.	45820	Seq. ID	OJ000211_07.0316.C4
Gene No.	97034	Strand	-
Start	4424	End	5968
Name	OJ000211_07.0316.C4.o2.gs	Method	GENSCAN
Start	4424	End	5700
GI	none	Score	.66
Exons	4424..4466, 5122..5267, 5564..5700		

Seq. No.	45820	Seq. ID	OJ000211_07.0316.C4
Gene No.	97034	Strand	-
Start	4424	End	5968
Name	OJ000211_07.0316.C4.o1.np	Method	AAT/NAP
Start	4427	End	5968
GI	7158824	Score	265
Exons	4427..4460, 5122..5267, 5564..5700, 5840..5968		
GI Descrip.	(AF198620) RNA binding motif protein 8 [Homo sapiens]		

Seq. No.	45820	Seq. ID	OJ000211_07.0316.C4
Gene No.	97034	Strand	-
Start	4424	End	5968

Name	OJ000211_07.0316.C4.o1.tm	Method	TBLASTX:Maize
Start	5119	End	5707
GI	none	Score	185
Exons	5119..5232, 5121..5270, 5122..5268, 5564..5698, 5564..5707		

Seq. No.	45820	Seq. ID	OJ000211_07.0316.C4
Gene No.	97034	Strand	-
Start	4424	End	5968
Name	OJ000211_07.0316.C4.o1.ts	Method	TBLASTX:Soybean
Start	5124	End	5709
GI	none	Score	95
Exons	5124..5270, 5143..5268, 5552..5701, 5564..5701, 5575..5709		

Seq. No.	45820	Seq. ID	OJ000211_07.0316.C4
Gene No.	97034	Strand	-
Start	4424	End	5968
Name	OJ000211_07.0316.C4.o1.tc	Method	TBLASTX:Cress
Start	5564	End	5701
GI	none	Score	95
Exons	5564..5701, 5579..5701		

Seq. No.	45821	Seq. ID	OJ000211_07.0316.C5
Gene No.	97035	Strand	+
Start	576	End	1981
Name	OJ000211_07.0316.C5.o1.gs	Method	GENSCAN
Start	576	End	1981
GI	none	Score	.85
Exons	576..649, 1626..1981		

Seq. No.	45821	Seq. ID	OJ000211_07.0316.C5
Gene No.	97036	Strand	-
Start	1	End	1988
Name	OJ000211_07.0316.C5.o1.np	Method	AAT/NAP
Start	1	End	1988
GI	5281018	Score	250
Exons	1..48, 765..891, 1861..1988		
GI Descrip.	(Z97339) OBP33pep like protein [Arabidopsis thaliana] gi|7268299|emb|CAB78594.1| (AL161541) OBP33pep like protein [Arabidopsis thaliana]		

Seq. No.	45821	Seq. ID	OJ000211_07.0316.C5
Gene No.	97036	Strand	-
Start	1	End	1988
Name	OJ000211_07.0316.C5.o1.ts	Method	TBLASTX:Soybean
Start	766	End	1917
GI	none	Score	151
Exons	766..894, 767..895, 1858..1917		

Seq. No.	45821	Seq. ID	OJ000211_07.0316.C5
Gene No.	97036	Strand	-
Start	1	End	1988
Name	OJ000211_07.0316.C5.o1.tm	Method	TBLASTX:Maize
Start	781	End	1980
GI	none	Score	174
Exons	781..891, 782..892, 783..902, 805..897, 1852..1980, 1853..1963, 1861..1980		

Seq. No.	45822	Seq. ID	OJ000211_07.0316.C6
Gene No.	97037	Strand	+
Start	728	End	1128
Name	OJ000211_07.0316.C6.o1.gp	Method	AAT/GAP
Start	728	End	1128
GI	4435_1.R1084	Score	794
Exons	728..1128		
GI Descrip.	'3924605 2.0e-21 (AF069442) putative inhibitor of apoptosis [Arabidopsis thaliana]'		

Seq. No.	45822	Seq. ID	OJ000211_07.0316.C6
Gene No.	97038	Strand	-
Start	1	End	101
Name	OJ000211_07.0316.C6.o1.np	Method	AAT/NAP
Start	1	End	101
GI	5281018	Score	116
Exons	1..101		
GI Descrip.	(Z97339) OBP33pep like protein [Arabidopsis thaliana] gi|7268299|emb|CAB78594.1| (AL161541) OBP33pep like protein [Arabidopsis thaliana]		

Seq. No.	45822	Seq. ID	OJ000211_07.0316.C6
Gene No.	97039	Strand	-
Start	12	End	5388
Name	OJ000211_07.0316.C6.o1.gs	Method	GENSCAN
Start	12	End	5388
GI	none	Score	.71
Exons	12..181, 259..313, 961..1233, 1273..1464, 2819..4909, 5200..5388		

Seq. No.	45822	Seq. ID	OJ000211_07.0316.C6
Gene No.	97039	Strand	-
Start	12	End	5388
Name	OJ000211_07.0316.C6.o3.tm	Method	TBLASTX:Maize
Start	808	End	1224
GI	none	Score	40
Exons	808..825, 833..904, 867..1049, 928..1188, 929..1156, 1149..1223, 1150..1224		

Seq. No.	45822	Seq. ID	OJ000211_07.0316.C6
Gene No.	97039	Strand	-
Start	12	End	5388
Name	OJ000211_07.0316.C6.o1.tw	Method	TBLASTX:Wheat
Start	934	End	1149
GI	none	Score	114
Exons	934..1104, 936..1028, 938..1102, 949..1149		

Seq. No.	45822	Seq. ID	OJ000211_07.0316.C6
Gene No.	97039	Strand	-
Start	12	End	5388
Name	OJ000211_07.0316.C6.o2.np	Method	AAT/NAP
Start	937	End	4831
GI	7484811	Score	745
Exons	937..1521, 2400..2485, 2816..3384, 3418..4052, 4138..4831		
GI Descrip.	apoptosis inhibitor homolog T4I9.12 - Arabidopsis thaliana gi|3924605|gb|AAC79106.1| (AF069442) putative inhibitor of apoptosis [Arabidopsis thaliana] gi|7269785|emb|CAB77785.1| (AL161495) putative protein [Arabidopsis thaliana]		

Seq. No.	45822	Seq. ID	OJ000211_07.0316.C6
Gene No.	97039	Strand	-
Start	12	End	5388
Name	OJ000211_07.0316.C6.o1.ts	Method	TBLASTX:Soybean
Start	943	End	1104
GI	none	Score	143
Exons	943..1104, 944..1102		

Seq. No.	45822	Seq. ID	OJ000211_07.0316.C6
Gene No.	97039	Strand	-
Start	12	End	5388
Name	OJ000211_07.0316.C6.o4.tm	Method	TBLASTX:Maize
Start	1273	End	1497
GI	none	Score	175
Exons	1273..1485, 1274..1474, 1414..1497		

Seq. No.	45822	Seq. ID	OJ000211_07.0316.C6
Gene No.	97039	Strand	-
Start	12	End	5388
Name	OJ000211_07.0316.C6.o2.ts	Method	TBLASTX:Soybean
Start	1315	End	3175
GI	none	Score	87
Exons	1315..1476, 2819..3175, 2985..3125		

Seq. No.	45822	Seq. ID	OJ000211_07.0316.C6
Gene No.	97039	Strand	-
Start	12	End	5388
Name	OJ000211_07.0316.C6.o2.gp	Method	AAT/GAP
Start	2837	End	3333
GI	6334_1.R1084	Score	947
Exons	2837..3333		
GI Descrip.	'3850566 2.0e-24 (AC005278) F15K9.3 [Arabidopsis thaliana]'		

Seq. No.	45822	Seq. ID	OJ000211_07.0316.C6
Gene No.	97039	Strand	-
Start	12	End	5388
Name	OJ000211_07.0316.C6.o1.tm	Method	TBLASTX:Maize
Start	3049	End	3455
GI	none	Score	89
Exons	3049..3120, 3051..3125, 3077..3133, 3122..3430, 3125..3178, 3201..3443, 3243..3455		

Seq. No.	45822	Seq. ID	OJ000211_07.0316.C6
Gene No.	97039	Strand	-
Start	12	End	5388
Name	OJ000211_07.0316.C6.o2.tm	Method	TBLASTX:Maize
Start	4358	End	4637
GI	none	Score	228
Exons	4358..4636, 4358..4633, 4476..4637		

Seq. No.	45822	Seq. ID	OJ000211_07.0316.C6
Gene No.	97039	Strand	-
Start	12	End	5388
Name	OJ000211_07.0316.C6.o5.tm	Method	TBLASTX:Maize
Start	4715	End	4846
GI	none	Score	131

Exons	4715..4846, 4716..4814		
Seq. No.	45823	Seq. ID	OJ000211_07.0316.C7
Gene No.	97040	Strand	+
Start	345	End	4403
Name	OJ000211_07.0316.C7.o1.np	Method	AAT/NAP
Start	345	End	4403
GI	7301706	Score	50
Exons	345..376, 2434..2490, 2616..2705, 2732..2912, 4368..4403		
GI Descrip.	(AE003767) CG1520 gene product [Drosophila melanogaster]		
Seq. No.	45823	Seq. ID	OJ000211_07.0316.C7
Gene No.	97040	Strand	+
Start	345	End	4403
Name	OJ000211_07.0316.C7.o1.gs	Method	GENSCAN
Start	1831	End	2538
GI	none	Score	.63
Exons	1831..2073, 2254..2538		
Seq. No.	45823	Seq. ID	OJ000211_07.0316.C7
Gene No.	97041	Strand	-
Start	3399	End	11910
Name	OJ000211_07.0316.C7.o2.gs	Method	GENSCAN
Start	3399	End	11910
GI	none	Score	.49
Exons	3399..3521, 5809..6090, 6490..6586, 7497..7534, 7617..7819, 11572..11704, 11715..11910		
Seq. No.	45824	Seq. ID	OJ000211_07.0316.C8
Gene No.	97042	Strand	+
Start	57	End	1175
Name	OJ000211_07.0316.C8.o1.gs	Method	GENSCAN
Start	57	End	1131
GI	none	Score	1
Exons	57..597, 698..1131		
Seq. No.	45824	Seq. ID	OJ000211_07.0316.C8
Gene No.	97042	Strand	+
Start	57	End	1175
Name	OJ000211_07.0316.C8.o1.tm	Method	TBLASTX:Maize
Start	126	End	446
GI	none	Score	476
Exons	126..446, 126..221, 128..241, 284..445		
Seq. No.	45824	Seq. ID	OJ000211_07.0316.C8
Gene No.	97042	Strand	+
Start	57	End	1175
Name	OJ000211_07.0316.C8.o1.np	Method	AAT/NAP
Start	159	End	1175
GI	6729027	Score	922
Exons	159..597, 698..1175		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		
Seq. No.	45824	Seq. ID	OJ000211_07.0316.C8
Gene No.	97042	Strand	+
Start	57	End	1175
Name	OJ000211_07.0316.C8.o2.tc	Method	TBLASTX:Cress

Start	174	End	452
GI	none	Score	155
Exons	174..338, 345..401, 402..452		

Seq. No.	45824	Seq. ID	OJ000211_07.0316.C8
Gene No.	97042	Strand	+
Start	57	End	1175
Name	OJ000211_07.0316.C8.o1.ts	Method	TBLASTX:Soybean
Start	180	End	563
GI	none	Score	163
Exons	180..332, 345..563, 347..496		

Seq. No.	45824	Seq. ID	OJ000211_07.0316.C8
Gene No.	97042	Strand	+
Start	57	End	1175
Name	OJ000211_07.0316.C8.o1.tc	Method	TBLASTX:Cress
Start	477	End	1032
GI	none	Score	131
Exons	477..626, 682..1032, 693..1031		

Seq. No.	45824	Seq. ID	OJ000211_07.0316.C8
Gene No.	97042	Strand	+
Start	57	End	1175
Name	OJ000211_07.0316.C8.o2.tm	Method	TBLASTX:Maize
Start	564	End	954
GI	none	Score	56
Exons	564..599, 566..601, 669..953, 694..954, 700..954		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97043	Strand	+
Start	2966	End	5907
Name	OJ000211_07.0316.C9.o1.gs	Method	GENSCAN
Start	2966	End	5907
GI	none	Score	.91
Exons	2966..3850, 4048..4223, 4306..4637, 4757..4944, 5020..5209, 5282..5386, 5459..5907		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97043	Strand	+
Start	2966	End	5907
Name	OJ000211_07.0316.C9.o1.np	Method	AAT/NAP
Start	2966	End	5904
GI	6691716	Score	2295
Exons	2966..3850, 4048..4223, 4306..4573, 4750..4944, 5020..5123, 5274..5386, 5459..5904		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97044	Strand	-
Start	1500	End	1662
Name	OJ000211_07.0316.C9.o1.gp	Method	AAT/GAP
Start	1500	End	1662
GI	uC-osflcyp177g01a1	Score	235
Exons	1500..1662		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water		

channel protein MipH [Mesembryanthemum crystallinum]'

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o9.tw	Method	TBLASTX:Wheat
Start	3068	End	3376
GI	none	Score	213
Exons	3068..3376		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o2.gs	Method	GENSCAN
Start	6224	End	12334
GI	none	Score	.72
Exons	6224..8638, 8650..9384, 9520..11555, 11611..12334		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o5.tw	Method	TBLASTX:Wheat
Start	6236	End	6850
GI	none	Score	77
Exons	6236..6373, 6359..6517, 6572..6850, 6588..6689		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o2.np	Method	AAT/NAP
Start	6260	End	12334
GI	5922631	Score	6659
Exons	6260..8786, 9393..10316, 10443..10591, 10634..11198, 11244..11453, 11704..11951, 12210..12334		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o4.tm	Method	TBLASTX:Maize
Start	6275	End	6508
GI	none	Score	102
Exons	6275..6376, 6276..6377, 6356..6508, 6357..6407		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o6.tm	Method	TBLASTX:Maize
Start	6620	End	6893
GI	none	Score	54
Exons	6620..6706, 6716..6799, 6756..6803, 6786..6893, 6794..6892		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o3.tw	Method	TBLASTX:Wheat
Start	6965	End	7352
GI	none	Score	109
Exons	6965..7150, 6965..7351, 7041..7352		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o1.tm	Method	TBLASTX:Maize
Start	6995	End	7358
GI	none	Score	279
Exons	6995..7042, 7034..7357, 7047..7358		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o10.tw	Method	TBLASTX:Wheat
Start	7355	End	7654
GI	none	Score	135
Exons	7355..7495, 7520..7654		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o4.tw	Method	TBLASTX:Wheat
Start	7670	End	8092
GI	none	Score	267
Exons	7670..8092, 7680..8084		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o2.ts	Method	TBLASTX:Soybean
Start	7713	End	8101
GI	none	Score	162
Exons	7713..8093, 7715..7957, 7997..8101		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o5.tm	Method	TBLASTX:Maize
Start	7766	End	8039
GI	none	Score	60
Exons	7766..7864, 7767..7832, 7868..8038, 7869..8039		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o6.tw	Method	TBLASTX:Wheat
Start	8129	End	8556
GI	none	Score	107
Exons	8129..8521, 8286..8516, 8497..8556		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o3.tm	Method	TBLASTX:Maize
Start	8216	End	8659
GI	none	Score	87
Exons	8216..8242, 8240..8383, 8253..8384, 8405..8521, 8477..8659, 8497..8658		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o1.ts	Method	TBLASTX:Soybean
Start	8327	End	8757
GI	none	Score	53
Exons	8327..8500, 8361..8501, 8515..8757, 8567..8710		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o2.tw	Method	TBLASTX:Wheat
Start	8602	End	9021
GI	none	Score	235
Exons	8602..9021, 8603..9019		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o2.tm	Method	TBLASTX:Maize
Start	8890	End	9246
GI	none	Score	93
Exons	8890..9183, 8890..9246, 8900..9205		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o3.ts	Method	TBLASTX:Soybean
Start	8971	End	9336
GI	none	Score	138
Exons	8971..9105, 9112..9336		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o8.tw	Method	TBLASTX:Wheat
Start	9021	End	9255
GI	none	Score	125
Exons	9021..9185, 9022..9234, 9022..9255, 9023..9235		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o1.tw	Method	TBLASTX:Wheat
Start	9256	End	10053
GI	none	Score	119
Exons	9256..9549, 9260..9484, 9596..9832, 9598..9828, 9871..10053, 9877..9990		

Seq. No.	45825	Seq. ID	OJ000211_07.0316.C9
Gene No.	97045	Strand	-
Start	6224	End	12334
Name	OJ000211_07.0316.C9.o7.tw	Method	TBLASTX:Wheat
Start	10627	End	11029
GI	none	Score	130
Exons	10627..11028, 10721..11029		

Seq. No.	45826	Seq. ID	OJ000211_07.0316.C11
Gene No.	97046	Strand	+
Start	644	End	1656
Name	OJ000211_07.0316.C11.o1.ts	Method	TBLASTX:Soybean
Start	626	End	1615
GI	none	Score	153
Exons	626..802, 821..970, 1105..1230, 1109..1315, 1400..1615		

Seq. No.	45826	Seq. ID	OJ000211_07.0316.C11
Gene No.	97046	Strand	+
Start	644	End	1656
Name	OJ000211_07.0316.C11.o1.np	Method	AAT/NAP
Start	644	End	1656
GI	7489142	Score	743
Exons	644..1656		
GI Descrip.	hsr201 protein, hypersensitivity-related - common tobacco gi|1171577|emb|CAA64636.1| (X95343) hypersensitivity-related gene [Nicotiana tabacum]		

Seq. No.	45826	Seq. ID	OJ000211_07.0316.C11
Gene No.	97046	Strand	+
Start	644	End	1656
Name	OJ000211_07.0316.C11.o1.gs	Method	GENSCAN
Start	647	End	1626
GI	none	Score	.76
Exons	647..1626		

Seq. No.	45826	Seq. ID	OJ000211_07.0316.C11
Gene No.	97046	Strand	+
Start	644	End	1656
Name	OJ000211_07.0316.C11.o1.tw	Method	TBLASTX:Wheat
Start	673	End	889
GI	none	Score	155
Exons	673..726, 674..811, 674..811, 802..885, 803..886, 812..889		

Seq. No.	45827	Seq. ID	OJ000211_07.0316.C12
Gene No.	97047	Strand	+
Start	132	End	1416
Name	OJ000211_07.0316.C12.o1.gs	Method	GENSCAN
Start	132	End	1416
GI	none	Score	.77
Exons	132..186, 1235..1416		

Seq. No.	45828	Seq. ID	OJ000211_07.0316.C13
Gene No.	97048	Strand	+
Start	857	End	21062
Name	OJ000211_07.0316.C13.o1.np	Method	AAT/NAP
Start	857	End	4196

GI	6862925	Score	92
Exons	857..1051, 4167..4196		
GI Descrip.	(AC018907) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45828	Seq. ID	OJ000211_07.0316.C13
Gene No.	97048	Strand	+
Start	857	End	21062
Name	OJ000211_07.0316.C13.o1.gs	Method	GENSCAN
Start	937	End	21062
GI	none	Score	.72
Exons	937..1056, 3046..3178, 3911..3968, 5691..7698, 7882..7950, 8057..8505, 9593..9857, 11940..12223, 14033..14143, 14325..14490, 16172..16257, 17791..19840, 20026..20094, 20198..20646, 21014..21062		

Seq. No.	45828	Seq. ID	OJ000211_07.0316.C13
Gene No.	97048	Strand	+
Start	857	End	21062
Name	OJ000211_07.0316.C13.o3.np	Method	AAT/NAP
Start	17078	End	19439
GI	5922634	Score	71
Exons	17078..17207, 19390..19439		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	45828	Seq. ID	OJ000211_07.0316.C13
Gene No.	97049	Strand	+
Start	21605	End	22027
Name	OJ000211_07.0316.C13.o4.np	Method	AAT/NAP
Start	21605	End	22027
GI	4680492	Score	162
Exons	21605..22027		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	45829	Seq. ID	OJ000211_07.0316.C14
Gene No.	97050	Strand	+
Start	169	End	1375
Name	OJ000211_07.0316.C14.o1.gs	Method	GENSCAN
Start	169	End	1375
GI	none	Score	.88
Exons	169..193, 231..306, 354..519, 590..1375		

Seq. No.	45829	Seq. ID	OJ000211_07.0316.C14
Gene No.	97050	Strand	+
Start	169	End	1375
Name	OJ000211_07.0316.C14.o1.np	Method	AAT/NAP
Start	403	End	1372
GI	7431022	Score	1137
Exons	403..519, 590..1372		
GI Descrip.	glucose and ribitol dehydrogenase homolog - barley gi|633890|gb|AAC60580.1| (S72926) glucose and ribitol dehydrogenase homolog [Hordeum vulgare]		

Seq. No.	45829	Seq. ID	OJ000211_07.0316.C14
Gene No.	97050	Strand	+
Start	169	End	1375

Name	OJ000211_07.0316.C14.o1.gp	Method	AAT/GAP
Start	717	End	999
GI	1631604	Score	490
Exons	717..999		
GI Descrip.	633890/bbs|154704 4.0e-25 (S72926) glucose and ribitol dehydrogenase homolog [Hordeum vulgare]		

Seq. No.	45829	Seq. ID	OJ000211_07.0316.C14
Gene No.	97051	Strand	-
Start	4382	End	4464
Name	OJ000211_07.0316.C14.o1.tm	Method	TBLASTX:Maize
Start	411	End	1499
GI	none	Score	150
Exons	411..506, 412..510, 457..519, 587..664, 589..990, 923..991, 1219..1263, 1267..1320, 1268..1321, 1304..1375, 1306..1368, 1476..1499	458..583, 458..520, 578..991, 1030..1167, 1031..1168,	

Seq. No.	45829	Seq. ID	OJ000211_07.0316.C14
Gene No.	97051	Strand	-
Start	4382	End	4464
Name	OJ000211_07.0316.C14.o1.ts	Method	TBLASTX:Soybean
Start	411	End	1375
GI	none	Score	122
Exons	411..503, 412..510, 578..736, 808..984, 845..997, 944..991, 1316..1375, 1318..1374	598..696, 757..876, 758..844, 1027..1305, 1028..1321,	

Seq. No.	45829	Seq. ID	OJ000211_07.0316.C14
Gene No.	97051	Strand	-
Start	4382	End	4464
Name	OJ000211_07.0316.C14.o2.tc	Method	TBLASTX:Cress
Start	426	End	991
GI	none	Score	76
Exons	426..476, 427..510, 578..745, 808..990, 845..991	592..693, 758..880, 760..843,	

Seq. No.	45829	Seq. ID	OJ000211_07.0316.C14
Gene No.	97051	Strand	-
Start	4382	End	4464
Name	OJ000211_07.0316.C14.o1.tc	Method	TBLASTX:Cress
Start	1027	End	1375
GI	none	Score	407
Exons	1027..1305, 1028..1321, 1316..1375		

Seq. No.	45829	Seq. ID	OJ000211_07.0316.C14
Gene No.	97051	Strand	-
Start	4382	End	4464
Name	OJ000211_07.0316.C14.o2.gs	Method	GENSCAN
Start	4382	End	4464
GI	none	Score	.66
Exons	4382..4464		

Seq. No.	45830	Seq. ID	OJ000211_01.0317.C1
Gene No.	97052	Strand	+
Start	1	End	2634
Name	OJ000211_01.0317.C1.o1.np	Method	AAT/NAP

Start	1	End	2634
GI	7020375	Score	893
Exons	1..201, 415..506, 826..1075, 1226..1345, 1431..1506, 1603..1811, 1936..2044, 2182..2274, 2367..2634		
GI Descrip.	(AK000349) unnamed protein product [Homo sapiens]		

Seq. No.	45830	Seq. ID	OJ000211_01.0317.C1
Gene No.	97052	Strand	+
Start	1	End	2634
Name	OJ000211_01.0317.C1.o2.tm	Method	TBLASTX:Maize
Start	407	End	1333
GI	none	Score	102
Exons	407..505, 412..507, 412..504, 413..505, 414..509, 414..509, 819..986, 823..1077, 827..1081, 1034..1078, 1223..1333, 1225..1332		

Seq. No.	45830	Seq. ID	OJ000211_01.0317.C1
Gene No.	97052	Strand	+
Start	1	End	2634
Name	OJ000211_01.0317.C1.o2.ts	Method	TBLASTX:Soybean
Start	412	End	970
GI	none	Score	138
Exons	412..507, 414..506, 808..960, 827..970		

Seq. No.	45830	Seq. ID	OJ000211_01.0317.C1
Gene No.	97052	Strand	+
Start	1	End	2634
Name	OJ000211_01.0317.C1.o1.gs	Method	GENSCAN
Start	415	End	2527
GI	none	Score	.97
Exons	415..506, 826..1075, 1226..1345, 1431..1506, 1603..1811, 1936..2044, 2367..2527		

Seq. No.	45830	Seq. ID	OJ000211_01.0317.C1
Gene No.	97052	Strand	+
Start	1	End	2634
Name	OJ000211_01.0317.C1.o3.tm	Method	TBLASTX:Maize
Start	1435	End	1811
GI	none	Score	42
Exons	1435..1455, 1436..1453, 1448..1486, 1449..1490, 1481..1528, 1482..1529, 1620..1811, 1622..1810		

Seq. No.	45830	Seq. ID	OJ000211_01.0317.C1
Gene No.	97052	Strand	+
Start	1	End	2634
Name	OJ000211_01.0317.C1.o1.gp	Method	AAT/GAP
Start	1438	End	2101
GI	4715311	Score	708
Exons	1438..1506, 1603..1811, 1936..2101		
GI Descrip.	5459148/emb|CAB50634.1| 4.0e-21 (AJ248288) hypothetical protein [Pyrococcus abyssi]		

Seq. No.	45830	Seq. ID	OJ000211_01.0317.C1
Gene No.	97052	Strand	+
Start	1	End	2634
Name	OJ000211_01.0317.C1.o1.ts	Method	TBLASTX:Soybean
Start	1607	End	2389

GI	none	Score	296
Exons	1607..1810, 1608..1811, 1672..1827, 1935..2051, 1936..2049, 1938..2051, 2169..2276, 2175..2273, 2213..2278, 2363..2389, 2366..2389		

Seq. No.	45830	Seq. ID	OJ000211_01.0317.C1
Gene No.	97052	Strand	+
Start	1	End	2634
Name	OJ000211_01.0317.C1.o1.tm	Method	TBLASTX:Maize
Start	1923	End	2529
GI	none	Score	164
Exons	1923..2039, 1927..2049, 1927..2046, 1935..2051, 2169..2276, 2175..2273, 2210..2278, 2364..2471, 2365..2529, 2366..2518		

Seq. No.	45830	Seq. ID	OJ000211_01.0317.C1
Gene No.	97052	Strand	+
Start	1	End	2634
Name	OJ000211_01.0317.C1.o3.ts	Method	TBLASTX:Soybean
Start	2390	End	2529
GI	none	Score	183
Exons	2390..2518, 2390..2527, 2391..2528, 2392..2529, 2422..2529		

Seq. No.	45830	Seq. ID	OJ000211_01.0317.C1
Gene No.	97052	Strand	+
Start	1	End	2634
Name	OJ000211_01.0317.C1.o2.gp	Method	AAT/GAP
Start	2446	End	2529
GI	27310_1.R1084	Score	148
Exons	2446..2529		
GI Descrip.	'5459148/emb|CAB50634.1| 4.0e-21 (AJ248288) hypothetical protein [Pyrococcus abyssi]'		

Seq. No.	45831	Seq. ID	OJ000211_01.0317.C2
Gene No.	97053	Strand	+
Start	1	End	95
Name	OJ000211_01.0317.C2.o1.gp	Method	AAT/GAP
Start	1	End	95
GI	27310_1.R1084	Score	150
Exons	1..95		
GI Descrip.	'5459148/emb|CAB50634.1| 4.0e-21 (AJ248288) hypothetical protein [Pyrococcus abyssi]'		

Seq. No.	45831	Seq. ID	OJ000211_01.0317.C2
Gene No.	97054	Strand	+
Start	3237	End	12702
Name	OJ000211_01.0317.C2.o1.np	Method	AAT/NAP
Start	3237	End	12699
GI	6907089	Score	2825
Exons	3237..3282, 6094..6669, 6770..7895, 12055..12699		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	45831	Seq. ID	OJ000211_01.0317.C2
Gene No.	97054	Strand	+
Start	3237	End	12702
Name	OJ000211_01.0317.C2.o2.gs	Method	GENSCAN
Start	5437	End	7940
GI	none	Score	.46

Exons	5437..5477, 6101..6509, 6524..6669, 6770..7940		
Seq. No.	45831	Seq. ID	OJ000211_01.0317.C2
Gene No.	97054	Strand	+
Start	3237	End	12702
Name	OJ000211_01.0317.C2.o3.gs	Method	GENSCAN
Start	9026	End	9557
GI	none	Score	.94
Exons	9026..9083, 9451..9557		
Seq. No.	45831	Seq. ID	OJ000211_01.0317.C2
Gene No.	97054	Strand	+
Start	3237	End	12702
Name	OJ000211_01.0317.C2.o4.gs	Method	GENSCAN
Start	9781	End	12702
GI	none	Score	.45
Exons	9781..9814, 9832..10868, 12040..12240, 12298..12459, 12505..12702		
Seq. No.	45831	Seq. ID	OJ000211_01.0317.C2
Gene No.	97055	Strand	-
Start	8602	End	8984
Name	OJ000211_01.0317.C2.o2.gp	Method	AAT/GAP
Start	8602	End	8984
GI	uC-osflcyp033a04b1	Score	668
Exons	8602..8984		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	45831	Seq. ID	OJ000211_01.0317.C2
Gene No.	97056	Strand	-
Start	13323	End	15264
Name	OJ000211_01.0317.C2.o2.tm	Method	TBLASTX:Maize
Start	13323	End	13466
GI	none	Score	126
Exons	13323..13466, 13327..13461		
Seq. No.	45831	Seq. ID	OJ000211_01.0317.C2
Gene No.	97056	Strand	-
Start	13323	End	15264
Name	OJ000211_01.0317.C2.o5.gs	Method	GENSCAN
Start	13323	End	15206
GI	none	Score	.44
Exons	13323..14568, 14725..15206		
Seq. No.	45831	Seq. ID	OJ000211_01.0317.C2
Gene No.	97056	Strand	-
Start	13323	End	15264
Name	OJ000211_01.0317.C2.o2.np	Method	AAT/NAP
Start	13326	End	15264
GI	7228457	Score	3019
Exons	13326..14876, 14943..15264		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	45831	Seq. ID	OJ000211_01.0317.C2

Gene No.	97056	Strand	-
Start	13323	End	15264
Name	OJ000211_01.0317.C2.o3.tw	Method	TBLASTX:Wheat
Start	13335	End	13914
GI	none	Score	77
Exons	13335..13460, 13339..13461, 13521..13889, 13627..13797, 13647..13913, 13654..13911, 13873..13914		

Seq. No.	45831	Seq. ID	OJ000211_01.0317.C2
Gene No.	97056	Strand	-
Start	13323	End	15264
Name	OJ000211_01.0317.C2.o1.tw	Method	TBLASTX:Wheat
Start	13918	End	14319
GI	none	Score	227
Exons	13918..14319, 13938..14318		

Seq. No.	45831	Seq. ID	OJ000211_01.0317.C2
Gene No.	97056	Strand	-
Start	13323	End	15264
Name	OJ000211_01.0317.C2.o1.tm	Method	TBLASTX:Maize
Start	14113	End	14456
GI	none	Score	212
Exons	14113..14229, 14133..14456, 14146..14427		

Seq. No.	45831	Seq. ID	OJ000211_01.0317.C2
Gene No.	97056	Strand	-
Start	13323	End	15264
Name	OJ000211_01.0317.C2.o1.ts	Method	TBLASTX:Soybean
Start	14709	End	15257
GI	5666795	Score	65
Exons	14709..14924, 14964..15101, 15177..15257		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	45831	Seq. ID	OJ000211_01.0317.C2
Gene No.	97056	Strand	-
Start	13323	End	15264
Name	OJ000211_01.0317.C2.o2.tw	Method	TBLASTX:Wheat
Start	14811	End	15264
GI	none	Score	124
Exons	14811..15128, 14878..15102, 15160..15264, 15165..15263		

Seq. No.	45832	Seq. ID	OJ000211_01.0317.C3
Gene No.	97057	Strand	+
Start	2636	End	3368
Name	OJ000211_01.0317.C3.o2.gs	Method	GENSCAN
Start	2636	End	3368
GI	none	Score	.88
Exons	2636..2779, 2891..3058, 3099..3368		

Seq. No.	45832	Seq. ID	OJ000211_01.0317.C3
Gene No.	97058	Strand	-
Start	1	End	8267
Name	OJ000211_01.0317.C3.o1.np	Method	AAT/NAP
Start	1	End	8267
GI	7228457	Score	3918
Exons	1..103, 226..758, 3747..4049, 4113..5703, 8241..8267		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type		

retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]

Seq. No.	45832	Seq. ID	OJ000211_01.0317.C3
Gene No.	97058	Strand	-
Start	1	End	8267
Name	OJ000211_01.0317.C3.o1.gs	Method	GENSCAN
Start	14	End	1597
GI	none	Score	.44
Exons	14..257, 370..664, 1585..1597		

Seq. No.	45832	Seq. ID	OJ000211_01.0317.C3
Gene No.	97058	Strand	-
Start	1	End	8267
Name	OJ000211_01.0317.C3.o1.ts	Method	TBLASTX:Soybean
Start	32	End	434
GI	none	Score	79
Exons	32..262, 258..434, 262..387		

Seq. No.	45832	Seq. ID	OJ000211_01.0317.C3
Gene No.	97058	Strand	-
Start	1	End	8267
Name	OJ000211_01.0317.C3.o4.tw	Method	TBLASTX:Wheat
Start	62	End	268
GI	none	Score	109
Exons	62..268, 87..266		

Seq. No.	45832	Seq. ID	OJ000211_01.0317.C3
Gene No.	97058	Strand	-
Start	1	End	8267
Name	OJ000211_01.0317.C3.o1.tm	Method	TBLASTX:Maize
Start	155	End	540
GI	none	Score	62
Exons	155..349, 174..302, 261..539,	262..396, 323..505, 454..540	

Seq. No.	45832	Seq. ID	OJ000211_01.0317.C3
Gene No.	97058	Strand	-
Start	1	End	8267
Name	OJ000211_01.0317.C3.o1.tw	Method	TBLASTX:Wheat
Start	279	End	698
GI	none	Score	88
Exons	279..698, 292..390, 451..561		

Seq. No.	45832	Seq. ID	OJ000211_01.0317.C3
Gene No.	97058	Strand	-
Start	1	End	8267
Name	OJ000211_01.0317.C3.o2.tm	Method	TBLASTX:Maize
Start	567	End	3911
GI	none	Score	115
Exons	567..761, 567..764, 578..781,	3744..3911, 3748..3876	

Seq. No.	45832	Seq. ID	OJ000211_01.0317.C3
Gene No.	97058	Strand	-
Start	1	End	8267
Name	OJ000211_01.0317.C3.o5.tw	Method	TBLASTX:Wheat
Start	699	End	3920
GI	none	Score	123

Exons	699..764, 3742..3918, 3743..3916, 3744..3920		
Seq. No.	45832	Seq. ID	OJ000211_01.0317.C3
Gene No.	97058	Strand	-
Start	1	End	8267
Name	OJ000211_01.0317.C3.o1.gp	Method	AAT/GAP
Start	882	End	1054
GI	LIB3433-026-P1-K1-C1	Score	242
Exons	882..1054		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	45832	Seq. ID	OJ000211_01.0317.C3
Gene No.	97058	Strand	-
Start	1	End	8267
Name	OJ000211_01.0317.C3.o3.gs	Method	GENSCAN
Start	3735	End	5639
GI	none	Score	.49
Exons	3735..4049, 4113..4307, 4367..4997, 4999..5639		
Seq. No.	45832	Seq. ID	OJ000211_01.0317.C3
Gene No.	97058	Strand	-
Start	1	End	8267
Name	OJ000211_01.0317.C3.o2.tw	Method	TBLASTX:Wheat
Start	3921	End	4691
GI	none	Score	146
Exons	3921..4118, 3922..4065, 3936..4118, 4206..4361, 4237..4362, 4258..4392, 4341..4496, 4352..4690, 4518..4691		
Seq. No.	45832	Seq. ID	OJ000211_01.0317.C3
Gene No.	97058	Strand	-
Start	1	End	8267
Name	OJ000211_01.0317.C3.o3.tw	Method	TBLASTX:Wheat
Start	5406	End	5699
GI	none	Score	94
Exons	5406..5663, 5440..5679, 5646..5699		
Seq. No.	45833	Seq. ID	OJ000211_01.0317.C6
Gene No.	97059	Strand	-
Start	252	End	1338
Name	OJ000211_01.0317.C6.o1.np	Method	AAT/NAP
Start	252	End	1338
GI	4680338	Score	497
Exons	252..848, 885..1338		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		
Seq. No.	45833	Seq. ID	OJ000211_01.0317.C6
Gene No.	97059	Strand	-
Start	252	End	1338
Name	OJ000211_01.0317.C6.o1.gs	Method	GENSCAN
Start	307	End	1338
GI	none	Score	.48
Exons	307..1006, 1059..1338		
Seq. No.	45833	Seq. ID	OJ000211_01.0317.C6
Gene No.	97059	Strand	-
Start	252	End	1338

Name	OJ000211_01.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	316	End	1297
GI	none	Score	73
Exons	316..489, 538..642, 670..774, 670..825, 677..790, 910..1017, 1124..1207, 1226..1297		

Seq. No.	45833	Seq. ID	OJ000211_01.0317.C6
Gene No.	97059	Strand	-
Start	252	End	1338
Name	OJ000211_01.0317.C6.o1.ts	Method	TBLASTX:Soybean
Start	316	End	1017
GI	none	Score	124
Exons	316..489, 538..630, 670..825, 677..793, 910..1017		

Seq. No.	45833	Seq. ID	OJ000211_01.0317.C6
Gene No.	97059	Strand	-
Start	252	End	1338
Name	OJ000211_01.0317.C6.o1.tw	Method	TBLASTX:Wheat
Start	672	End	1002
GI	none	Score	118
Exons	672..737, 682..822, 683..784, 910..1002		

Seq. No.	45834	Seq. ID	OJ000211_01.0317.C7
Gene No.	97060	Strand	+
Start	378	End	1162
Name	OJ000211_01.0317.C7.o1.gs	Method	GENSCAN
Start	378	End	1162
GI	none	Score	.77
Exons	378..383, 814..965, 1006..1162		

Seq. No.	45834	Seq. ID	OJ000211_01.0317.C7
Gene No.	97061	Strand	-
Start	1808	End	2018
Name	OJ000211_01.0317.C7.o2.gs	Method	GENSCAN
Start	1808	End	2018
GI	none	Score	.98
Exons	1808..2018		

Seq. No.	45835	Seq. ID	OJ000211_01.0317.C8
Gene No.	97062	Strand	+
Start	518	End	2296
Name	OJ000211_01.0317.C8.o1.gp	Method	AAT/GAP
Start	518	End	2296
GI	6025022	Score	426
Exons	518..665, 2035..2116, 2251..2296		

Seq. No.	45835	Seq. ID	OJ000211_01.0317.C8
Gene No.	97063	Strand	+
Start	9056	End	9229
Name	OJ000211_01.0317.C8.o2.gs	Method	GENSCAN
Start	9056	End	9229
GI	none	Score	.61
Exons	9056..9229		

Seq. No.	45835	Seq. ID	OJ000211_01.0317.C8
Gene No.	97064	Strand	+
Start	11673	End	11730

Name	OJ000211_01.0317.C8.o2.gp	Method	AAT/GAP
Start	11673	End	11730
GI	2312838	Score	73
Exons	11673..11730		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	45835	Seq. ID	OJ000211_01.0317.C8
Gene No.	97065	Strand	-
Start	9841	End	12856
Name	OJ000211_01.0317.C8.o2.np	Method	AAT/NAP
Start	9841	End	11467
GI	4539667	Score	208
Exons	9841..9908, 10955..11467		
GI Descrip.	(AF061282) hypothetical protein [Sorghum bicolor]		

Seq. No.	45835	Seq. ID	OJ000211_01.0317.C8
Gene No.	97065	Strand	-
Start	9841	End	12856
Name	OJ000211_01.0317.C8.o3.gs	Method	GENSCAN
Start	10352	End	11467
GI	none	Score	.85
Exons	10352..11467		

Seq. No.	45835	Seq. ID	OJ000211_01.0317.C8
Gene No.	97065	Strand	-
Start	9841	End	12856
Name	OJ000211_01.0317.C8.o1.np	Method	AAT/NAP
Start	10361	End	12856
GI	4680501	Score	487
Exons	10361..11458, 12825..12856		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	45835	Seq. ID	OJ000211_01.0317.C8
Gene No.	97065	Strand	-
Start	9841	End	12856
Name	OJ000211_01.0317.C8.o1.ts	Method	TBLASTX:Soybean
Start	10362	End	10939
GI	none	Score	92
Exons	10362..10574, 10364..10636, 10655..10735, 10784..10939, 10785..10874		

Seq. No.	45835	Seq. ID	OJ000211_01.0317.C8
Gene No.	97065	Strand	-
Start	9841	End	12856
Name	OJ000211_01.0317.C8.o1.tm	Method	TBLASTX:Maize
Start	10364	End	11422
GI	none	Score	81
Exons	10364..10636, 10503..10583, 10504..10602, 10655..10735, 10662..10691, 10784..10939, 10785..10874, 11264..11359, 11351..11422		

Seq. No.	45835	Seq. ID	OJ000211_01.0317.C8
Gene No.	97065	Strand	-
Start	9841	End	12856
Name	OJ000211_01.0317.C8.o1.tc	Method	TBLASTX:Cress
Start	10376	End	10735

GI	none	Score	72
Exons	10376..10636, 10398..10574, 10658..10726, 10658..10735		

Seq. No.	45836	Seq. ID	OJ000211_01.0317.C10
Gene No.	97066	Strand	+
Start	2370	End	6660
Name	OJ000211_01.0317.C10.o1.gs	Method	GENSCAN
Start	2370	End	6660
GI	none	Score	.43
Exons	2370..2489, 2973..3055, 4324..4417, 6525..6660		

Seq. No.	45836	Seq. ID	OJ000211_01.0317.C10
Gene No.	97066	Strand	+
Start	2370	End	6660
Name	OJ000211_01.0317.C10.o1.gp	Method	AAT/GAP
Start	2476	End	3363
GI	3762781	Score	1068
Exons	2476..2625, 2784..2869, 2973..3363		

Seq. No.	45836	Seq. ID	OJ000211_01.0317.C10
Gene No.	97066	Strand	+
Start	2370	End	6660
Name	OJ000211_01.0317.C10.o2.gp	Method	AAT/GAP
Start	4798	End	5146
GI	47680_1.R1084	Score	583
Exons	4798..5146		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	45836	Seq. ID	OJ000211_01.0317.C10
Gene No.	97067	Strand	-
Start	7996	End	8200
Name	OJ000211_01.0317.C10.o1.tm	Method	TBLASTX:Maize
Start	2357	End	4453
GI	none	Score	117
Exons	2357..2485, 2357..2485, 2358..2486, 2362..2487, 2784..2873, 2789..2872, 2796..2873, 2973..3053, 2973..3056, 2974..3057, 3748..3873, 3749..3826, 4311..4418, 4322..4453, 4331..4423		

Seq. No.	45836	Seq. ID	OJ000211_01.0317.C10
Gene No.	97067	Strand	-
Start	7996	End	8200
Name	OJ000211_01.0317.C10.o2.gs	Method	GENSCAN
Start	7996	End	8200
GI	none	Score	.87
Exons	7996..8200		

Seq. No.	45837	Seq. ID	OJ000211_01.0317.C11
Gene No.	97068	Strand	+
Start	6481	End	7374
Name	OJ000211_01.0317.C11.o2.gs	Method	GENSCAN
Start	6481	End	7374
GI	none	Score	.91
Exons	6481..6621, 7312..7374		

Seq. No.	45838	Seq. ID	OJ000211_01.0317.C12
Gene No.	97069	Strand	-

Start	1225	End	1479
Name	OJ000211_01.0317.C12.o1.gs	Method	GENSCAN
Start	1225	End	1479
GI	none	Score	.87
Exons	1225..1479		

Seq. No.	45839	Seq. ID	OJ000211_01.0317.C13
Gene No.	97070	Strand	+
Start	903	End	2424
Name	OJ000211_01.0317.C13.o1.np	Method	AAT/NAP
Start	903	End	2424
GI	7340909	Score	123
Exons	903..933, 2203..2424		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	45840	Seq. ID	OJ000211_01.0317.C14
Gene No.	97071	Strand	+
Start	60	End	1503
Name	OJ000211_01.0317.C14.o1.gs	Method	GENSCAN
Start	60	End	1503
GI	none	Score	.8
Exons	60..140, 170..349, 995..1181, 1379..1503		

Seq. No.	45840	Seq. ID	OJ000211_01.0317.C14
Gene No.	97072	Strand	+
Start	2502	End	2885
Name	OJ000211_01.0317.C14.o1.gp	Method	AAT/GAP
Start	2502	End	2885
GI	none	Score	477
Exons	2502..2885		

Seq. No.	45840	Seq. ID	OJ000211_01.0317.C14
Gene No.	97073	Strand	+
Start	5789	End	6419
Name	OJ000211_01.0317.C14.o3.gs	Method	GENSCAN
Start	5789	End	6419
GI	none	Score	.98
Exons	5789..5949, 6155..6419		

Seq. No.	45840	Seq. ID	OJ000211_01.0317.C14
Gene No.	97074	Strand	+
Start	7226	End	9415
Name	OJ000211_01.0317.C14.o4.gs	Method	GENSCAN
Start	7226	End	9415
GI	none	Score	.67
Exons	7226..7257, 7627..7809, 7909..8031, 8095..8246, 9243..9415		

Seq. No.	45840	Seq. ID	OJ000211_01.0317.C14
Gene No.	97075	Strand	-
Start	22	End	1937
Name	OJ000211_01.0317.C14.o1.np	Method	AAT/NAP
Start	22	End	1937
GI	7340909	Score	74
Exons	22..306, 368..552, 1906..1937		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	45840	Seq. ID	OJ000211_01.0317.C14

Gene No.	97076	Strand	-
Start	2849	End	7111
Name	OJ000211_01.0317.C14.o2.gs	Method	GENSCAN
Start	2849	End	5346
GI	none	Score	.86
Exons	2849..3068, 3337..3413, 3489..3605, 3840..3990, 3996..4090, 4180..4289, 4536..4623, 4698..4788, 4868..4960, 5054..5346		

Seq. No.	45840	Seq. ID	OJ000211_01.0317.C14
Gene No.	97076	Strand	-
Start	2849	End	7111
Name	OJ000211_01.0317.C14.o2.np	Method	AAT/NAP
Start	2941	End	7111
GI	5091616	Score	696
Exons	2941..3027, 3129..3220, 3340..3413, 3489..3605, 3840..3943, 4021..4090, 4180..4289, 4536..4641, 5032..5363, 7075..7111		
GI Descrip.	(AC007454) F23M19.3 [Arabidopsis thaliana]		

Seq. No.	45840	Seq. ID	OJ000211_01.0317.C14
Gene No.	97076	Strand	-
Start	2849	End	7111
Name	OJ000211_01.0317.C14.o2.gp	Method	AAT/GAP
Start	6144	End	6477
GI	none	Score	614
Exons	6144..6477		

Seq. No.	45840	Seq. ID	OJ000211_01.0317.C14
Gene No.	97077	Strand	-
Start	9749	End	16506
Name	OJ000211_01.0317.C14.o2.tm	Method	TBLASTX:Maize
Start	2917	End	3205
GI	none	Score	179
Exons	2917..3069, 2918..3067, 2930..3097, 3166..3204, 3167..3205		

Seq. No.	45840	Seq. ID	OJ000211_01.0317.C14
Gene No.	97077	Strand	-
Start	9749	End	16506
Name	OJ000211_01.0317.C14.o3.tm	Method	TBLASTX:Maize
Start	3826	End	4278
GI	none	Score	64
Exons	3826..3924, 3837..3941, 3843..3938, 4022..4090, 4023..4082, 4177..4278, 4180..4251		

Seq. No.	45840	Seq. ID	OJ000211_01.0317.C14
Gene No.	97077	Strand	-
Start	9749	End	16506
Name	OJ000211_01.0317.C14.o1.tm	Method	TBLASTX:Maize
Start	4549	End	5364
GI	none	Score	79
Exons	4549..4659, 4549..4638, 4572..4643, 4675..4749, 4678..4785, 4679..4786, 4683..4790, 4821..4955, 4835..4981, 4859..4954, 4861..4974, 4872..4985, 5047..5283, 5051..5293, 5053..5289, 5269..5364, 5288..5362, 5293..5364		

Seq. No.	45840	Seq. ID	OJ000211_01.0317.C14
Gene No.	97077	Strand	-
Start	9749	End	16506

Name	OJ000211_01.0317.C14.o1.ts	Method	TBLASTX:Soybean
Start	4858	End	5331
GI	none	Score	81
Exons	4858..5064, 4862..4963, 5051..5287, 5053..5283, 5302..5331		

Seq. No.	45840	Seq. ID	OJ000211_01.0317.C14
Gene No.	97077	Strand	-
Start	9749	End	16506
Name	OJ000211_01.0317.C14.o5.gs	Method	GENSCAN
Start	9749	End	16427
GI	none	Score	.86
Exons	9749..9849, 10427..10770, 10867..10944, 11023..11114, 11214..11310, 11803..11831, 12310..12471, 12671..12751, 12846..13004, 13084..13200, 13288..13356, 13514..13711, 15362..15497, 15574..15725, 15799..15919, 16212..16339, 16413..16427		

Seq. No.	45840	Seq. ID	OJ000211_01.0317.C14
Gene No.	97077	Strand	-
Start	9749	End	16506
Name	OJ000211_01.0317.C14.o4.tm	Method	TBLASTX:Maize
Start	10407	End	10935
GI	none	Score	42
Exons	10407..10430, 10545..10679, 10548..10580, 10549..10578, 10560..10706, 10579..10605, 10599..10772, 10701..10766, 10705..10773, 10866..10934, 10866..10934, 10867..10935		

Seq. No.	45840	Seq. ID	OJ000211_01.0317.C14
Gene No.	97077	Strand	-
Start	9749	End	16506
Name	OJ000211_01.0317.C14.o3.np	Method	AAT/NAP
Start	10548	End	16506
GI	6751700	Score	1495
Exons	10548..10655, 10691..10770, 10867..10944, 11023..11114, 12310..12471, 12671..12751, 12846..13004, 13084..13200, 13288..13356, 13443..13513, 13588..13711, 15362..15497, 15574..15725, 15799..15919, 16212..16339, 16413..16506		
GI Descrip.	(AC018908) putative DNA helicase [Arabidopsis thaliana]		

Seq. No.	45841	Seq. ID	OJ000211_01.0317.C15
Gene No.	97078	Strand	-
Start	221	End	8213
Name	OJ000211_01.0317.C15.o1.gs	Method	GENSCAN
Start	221	End	7894
GI	none	Score	.58
Exons	221..354, 637..761, 863..1018, 1148..1561, 1997..2054, 3741..3769, 3884..4010, 4951..5056, 5145..5338, 5472..5617, 6367..6478, 6593..6679, 6816..7054, 7276..7361, 7771..7894		

Seq. No.	45841	Seq. ID	OJ000211_01.0317.C15
Gene No.	97078	Strand	-
Start	221	End	8213
Name	OJ000211_01.0317.C15.o2.np	Method	AAT/NAP
Start	2835	End	8213
GI	3935138	Score	329
Exons	2835..2903, 5498..5667, 6367..6466, 6593..6682, 6819..7054, 7276..7361, 7771..7910, 8174..8213		

GI Descrip. (AC005106) T25N20.2 [Arabidopsis thaliana]

Seq. No.	45841	Seq. ID	OJ000211_01.0317.C15
Gene No.	97078	Strand	-
Start	221	End	8213
Name	OJ000211_01.0317.C15.o1.gp	Method	AAT/GAP
Start	5098	End	5655
GI	2311384	Score	803
Exons	5098..5366, 5472..5655		

Seq. No.	45841	Seq. ID	OJ000211_01.0317.C15
Gene No.	97078	Strand	-
Start	221	End	8213
Name	OJ000211_01.0317.C15.o1.tm	Method	TBLASTX:Maize
Start	6626	End	7057
GI	none	Score	229
Exons	6626..6667, 6628..6702, 6791..7057, 6807..7055, 6809..7057		

Seq. No.	45841	Seq. ID	OJ000211_01.0317.C15
Gene No.	97078	Strand	-
Start	221	End	8213
Name	OJ000211_01.0317.C15.o2.tm	Method	TBLASTX:Maize
Start	7724	End	7905
GI	none	Score	125
Exons	7724..7897, 7753..7899, 7761..7901, 7771..7905		

Seq. No.	45842	Seq. ID	OJ000211_01.0317.C16
Gene No.	97079	Strand	-
Start	26	End	1078
Name	OJ000211_01.0317.C16.o1.tm	Method	TBLASTX:Maize
Start	2	End	514
GI	none	Score	175
Exons	2..277, 15..281, 15..281, 59..283, 297..341, 305..325, 338..424, 339..422, 340..423, 437..514		

Seq. No.	45842	Seq. ID	OJ000211_01.0317.C16
Gene No.	97079	Strand	-
Start	26	End	1078
Name	OJ000211_01.0317.C16.o1.gs	Method	GENSCAN
Start	26	End	983
GI	none	Score	.7
Exons	26..983		

Seq. No.	45842	Seq. ID	OJ000211_01.0317.C16
Gene No.	97079	Strand	-
Start	26	End	1078
Name	OJ000211_01.0317.C16.o2.tm	Method	TBLASTX:Maize
Start	756	End	1078
GI	none	Score	135
Exons	756..1004, 759..989, 760..996, 956..1018, 1001..1069, 1010..1078, 1025..1075, 1025..1075, 1026..1076		

Seq. No.	45843	Seq. ID	OJ000221_01.0313.C2
Gene No.	97080	Strand	-
Start	347	End	920
Name	OJ000221_01.0313.C2.o1.gs	Method	GENSCAN
Start	347	End	920

GI	none	Score	.55
Exons	347..481, 817..920		
Seq. No.	45844	Seq. ID	OJ000221_01.0313.C5
Gene No.	97081	Strand	-
Start	152	End	266
Name	OJ000221_01.0313.C5.o1.gs	Method	GENSCAN
Start	152	End	266
GI	none	Score	.95
Exons	152..266		
Seq. No.	45845	Seq. ID	OJ000221_01.0313.C6
Gene No.	97082	Strand	+
Start	1355	End	4032
Name	OJ000221_01.0313.C6.o1.gs	Method	GENSCAN
Start	1355	End	4032
GI	none	Score	.44
Exons	1355..1460, 2964..3136, 3565..3708, 3919..4032		
Seq. No.	45845	Seq. ID	OJ000221_01.0313.C6
Gene No.	97083	Strand	+
Start	6303	End	7637
Name	OJ000221_01.0313.C6.o2.gs	Method	GENSCAN
Start	6303	End	7634
GI	none	Score	.91
Exons	6303..6400, 6559..6949, 7062..7634		
Seq. No.	45845	Seq. ID	OJ000221_01.0313.C6
Gene No.	97083	Strand	+
Start	6303	End	7637
Name	OJ000221_01.0313.C6.o1.np	Method	AAT/NAP
Start	6567	End	7637
GI	4585901	Score	429
Exons	6567..6931, 7050..7637		
GI Descrip.	(AC007133) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	45845	Seq. ID	OJ000221_01.0313.C6
Gene No.	97084	Strand	-
Start	14293	End	16101
Name	OJ000221_01.0313.C6.o2.tm	Method	TBLASTX:Maize
Start	6518	End	6827
GI	none	Score	55
Exons	6518..6562, 6542..6589, 6585..6626, 6613..6666, 6659..6814, 6665..6805, 6673..6813, 6741..6827		
Seq. No.	45845	Seq. ID	OJ000221_01.0313.C6
Gene No.	97084	Strand	-
Start	14293	End	16101
Name	OJ000221_01.0313.C6.o1.tm	Method	TBLASTX:Maize
Start	7056	End	7418
GI	none	Score	87
Exons	7056..7112, 7061..7414, 7182..7418		
Seq. No.	45845	Seq. ID	OJ000221_01.0313.C6
Gene No.	97084	Strand	-
Start	14293	End	16101
Name	OJ000221_01.0313.C6.o1.tc	Method	TBLASTX:Cress

Start	7059	End	7547
GI	none	Score	57
Exons	7059..7109, 7185..7283, 7311..7409, 7479..7547		

Seq. No.	45845	Seq. ID	OJ000221_01.0313.C6
Gene No.	97084	Strand	-
Start	14293	End	16101
Name	OJ000221_01.0313.C6.o1.tw	Method	TBLASTX:Wheat
Start	7064	End	7418
GI	none	Score	77
Exons	7064..7414, 7065..7112, 7182..7418		

Seq. No.	45845	Seq. ID	OJ000221_01.0313.C6
Gene No.	97084	Strand	-
Start	14293	End	16101
Name	OJ000221_01.0313.C6.o1.ts	Method	TBLASTX:Soybean
Start	7185	End	7547
GI	none	Score	115
Exons	7185..7283, 7308..7415, 7479..7547		

Seq. No.	45845	Seq. ID	OJ000221_01.0313.C6
Gene No.	97084	Strand	-
Start	14293	End	16101
Name	OJ000221_01.0313.C6.o3.gs	Method	GENSCAN
Start	14293	End	16101
GI	none	Score	.62
Exons	14293..14397, 14657..14844, 15655..15748, 15802..16101		

Seq. No.	45846	Seq. ID	OJ000221_01.0313.C7
Gene No.	97085	Strand	+
Start	2921	End	3619
Name	OJ000221_01.0313.C7.o1.np	Method	AAT/NAP
Start	2921	End	3619
GI	7510076	Score	74
Exons	2921..3112, 3447..3619		
GI Descrip.	hypothetical protein Y50E8A.i - Caenorhabditis elegans		

Seq. No.	45846	Seq. ID	OJ000221_01.0313.C7
Gene No.	97086	Strand	-
Start	650	End	711
Name	OJ000221_01.0313.C7.o1.gs	Method	GENSCAN
Start	650	End	711
GI	none	Score	.78
Exons	650..711		

Seq. No.	45847	Seq. ID	OJ000221_01.0313.C8
Gene No.	97087	Strand	+
Start	608	End	783
Name	OJ000221_01.0313.C8.o1.gs	Method	GENSCAN
Start	608	End	783
GI	none	Score	.68
Exons	608..783		

Seq. No.	45847	Seq. ID	OJ000221_01.0313.C8
Gene No.	97088	Strand	+
Start	1076	End	1492
Name	OJ000221_01.0313.C8.o1.gp	Method	AAT/GAP

Start	1076	End	1492
GI	none	Score	812
Exons	1076..1492		

Seq. No.	45848	Seq. ID	OJ000221_01.0313.C9
Gene No.	97089	Strand	-
Start	1	End	858
Name	OJ000221_01.0313.C9.o1.gp	Method	AAT/GAP
Start	1	End	580
GI	9510_1.R1084	Score	691
Exons	1..148, 236..329, 437..580		
GI Descrip.	'2293288 1.0e-12 (AF008220) YtcB [Bacillus subtilis] >gi_2635571_emb_CAB15065_ (Z99119) similar to NDP-sugar epimerase [Bacillus subtilis]'		

Seq. No.	45848	Seq. ID	OJ000221_01.0313.C9
Gene No.	97089	Strand	-
Start	1	End	858
Name	OJ000221_01.0313.C9.o1.ts	Method	TBLASTX:Soybean
Start	12	End	831
GI	none	Score	170
Exons	12..149, 12..149, 13..150, 14..151, 17..151, 236..331, 237..332, 423..596, 434..781, 436..831, 804..830		

Seq. No.	45848	Seq. ID	OJ000221_01.0313.C9
Gene No.	97089	Strand	-
Start	1	End	858
Name	OJ000221_01.0313.C9.o1.tm	Method	TBLASTX:Maize
Start	17	End	858
GI	none	Score	210
Exons	17..151, 18..149, 236..331, 237..332, 407..544, 411..599, 434..781, 436..858, 708..854, 802..858		

Seq. No.	45848	Seq. ID	OJ000221_01.0313.C9
Gene No.	97089	Strand	-
Start	1	End	858
Name	OJ000221_01.0313.C9.o1.gs	Method	GENSCAN
Start	19	End	852
GI	none	Score	.93
Exons	19..148, 236..329, 437..852		

Seq. No.	45848	Seq. ID	OJ000221_01.0313.C9
Gene No.	97089	Strand	-
Start	1	End	858
Name	OJ000221_01.0313.C9.o1.tc	Method	TBLASTX:Cress
Start	278	End	834
GI	none	Score	46
Exons	278..331, 279..332, 414..566, 433..834, 434..787		

Seq. No.	45848	Seq. ID	OJ000221_01.0313.C9
Gene No.	97089	Strand	-
Start	1	End	858
Name	OJ000221_01.0313.C9.o1.tw	Method	TBLASTX:Wheat
Start	529	End	772
GI	none	Score	337
Exons	529..771, 530..772		

Seq. No.	45849	Seq. ID	OJ000221_01.0313.C10
Gene No.	97090	Strand	+
Start	394	End	7006
Name	OJ000221_01.0313.C10.o1.gs	Method	GENSCAN
Start	394	End	6590
GI	none	Score	.9
Exons	394..690, 1763..1846, 6172..6223, 6325..6590		

Seq. No.	45849	Seq. ID	OJ000221_01.0313.C10
Gene No.	97090	Strand	+
Start	394	End	7006
Name	OJ000221_01.0313.C10.o1.np	Method	AAT/NAP
Start	3250	End	7006
GI	6063557	Score	366
Exons	3250..3280, 6424..6605, 6854..7006		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	45849	Seq. ID	OJ000221_01.0313.C10
Gene No.	97091	Strand	-
Start	7896	End	10376
Name	OJ000221_01.0313.C10.o2.np	Method	AAT/NAP
Start	7896	End	10376
GI	4584355	Score	1193
Exons	7896..8565, 8791..8953, 9161..9894, 10187..10376		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	45849	Seq. ID	OJ000221_01.0313.C10
Gene No.	97091	Strand	-
Start	7896	End	10376
Name	OJ000221_01.0313.C10.o1.tm	Method	TBLASTX:Maize
Start	9353	End	9817
GI	none	Score	252
Exons	9353..9817, 9354..9812, 9359..9817		

Seq. No.	45849	Seq. ID	OJ000221_01.0313.C10
Gene No.	97091	Strand	-
Start	7896	End	10376
Name	OJ000221_01.0313.C10.o2.tm	Method	TBLASTX:Maize
Start	9888	End	10129
GI	none	Score	58
Exons	9888..9956, 9899..9958, 9901..9963, 9951..10127, 9952..10125, 10088..10129		

Seq. No.	45850	Seq. ID	OJ000221_01.0313.C11
Gene No.	97092	Strand	+
Start	177	End	741
Name	OJ000221_01.0313.C11.o1.gs	Method	GENSCAN
Start	177	End	741
GI	none	Score	.48
Exons	177..285, 313..527, 725..741		

Seq. No.	45850	Seq. ID	OJ000221_01.0313.C11
Gene No.	97093	Strand	-
Start	924	End	1197
Name	OJ000221_01.0313.C11.o2.gs	Method	GENSCAN
Start	924	End	1197
GI	none	Score	.44

Exons	924..950, 1079..1197		
Seq. No.	45851	Seq. ID	OJ000221_01.0313.C12
Gene No.	97094	Strand	+
Start	5739	End	12287
Name	OJ000221_01.0313.C12.o1.np	Method	AAT/NAP
Start	5739	End	11565
GI	7486147	Score	226
Exons	5739..5757, 9266..9928, 11522..11565		
GI Descrip.	hypothetical protein F25I24.40 - Arabidopsis thaliana gi|4539357|emb|CAB40051.1| (AL049525) putative protein [Arabidopsis thaliana] gi|7267781|emb|CAB81184.1| (AL161518) putative protein [Arabidopsis thaliana]		
Seq. No.	45851	Seq. ID	OJ000221_01.0313.C12
Gene No.	97094	Strand	+
Start	5739	End	12287
Name	OJ000221_01.0313.C12.o4.gs	Method	GENSCAN
Start	10094	End	12287
GI	none	Score	.73
Exons	10094..10187, 11291..11664, 11813..12287		
Seq. No.	45851	Seq. ID	OJ000221_01.0313.C12
Gene No.	97094	Strand	+
Start	5739	End	12287
Name	OJ000221_01.0313.C12.o2.np	Method	AAT/NAP
Start	10847	End	10960
GI	6324074	Score	75
Exons	10847..10960		
GI Descrip.	Contains seven cysteine rich zinc finger motifs of the 'CCHC retroviral-type'; Gis2p gi|1730843|sp|P53849|YNZ5_YEAST HYPOTHETICAL 17.1 KD PROTEIN IN SIP3-MRPL30 INTERGENIC REGION gi|2131945|pir||S63228 hypothetical protein YNL255c - yeast (Saccharomyces cerevisiae) gi|1255963|emb|CAA65489| (X96722) ORF N0852 [Saccharomyces cerevisiae] gi|1302303|emb|CAA96162| (Z71		
Seq. No.	45851	Seq. ID	OJ000221_01.0313.C12
Gene No.	97095	Strand	-
Start	8127	End	8671
Name	OJ000221_01.0313.C12.o1.tw	Method	TBLASTX:Wheat
Start	4077	End	8480
GI	none	Score	166
Exons	4077..4196, 4081..4179, 4134..4193, 8352..8480, 8353..8460, 8406..8474		
Seq. No.	45851	Seq. ID	OJ000221_01.0313.C12
Gene No.	97095	Strand	-
Start	8127	End	8671
Name	OJ000221_01.0313.C12.o2.tm	Method	TBLASTX:Maize
Start	4083	End	8463
GI	none	Score	167
Exons	4083..4184, 4084..4182, 8355..8462, 8356..8463		
Seq. No.	45851	Seq. ID	OJ000221_01.0313.C12
Gene No.	97095	Strand	-
Start	8127	End	8671
Name	OJ000221_01.0313.C12.o3.gs	Method	GENSCAN

Start	8127	End	8671
GI	none	Score	.96
Exons	8127..8519, 8648..8671		

Seq. No.	45851	Seq. ID	OJ000221_01.0313.C12
Gene No.	97096	Strand	
Start	9317	End	9928
Name	OJ000221_01.0313.C12.o1.tm	Method	TBLASTX:Maize
Start	9317	End	9928
GI	none	Score	74
Exons	9317..9484, 9476..9580, 9480..9581, 9578..9841, 9670..9852, 9827..9928, 9850..9927		

Seq. No.	45852	Seq. ID	OJ000221_01.0313.C13
Gene No.	97097	Strand	+
Start	523	End	678
Name	OJ000221_01.0313.C13.o1.gs	Method	GENSCAN
Start	523	End	678
GI	none	Score	.97
Exons	523..678		

Seq. No.	45852	Seq. ID	OJ000221_01.0313.C13
Gene No.	97098	Strand	-
Start	2319	End	2580
Name	OJ000221_01.0313.C13.o1.tm	Method	TBLASTX:Maize
Start	57	End	1682
GI	none	Score	42
Exons	57..113, 150..209, 1300..1422, 1301..1417, 1415..1459, 1494..1583, 1515..1583, 1596..1682, 1601..1681		

Seq. No.	45852	Seq. ID	OJ000221_01.0313.C13
Gene No.	97098	Strand	-
Start	2319	End	2580
Name	OJ000221_01.0313.C13.o1.tw	Method	TBLASTX:Wheat
Start	1409	End	1737
GI	none	Score	60
Exons	1409..1477, 1409..1480, 1485..1697, 1506..1571, 1614..1658, 1687..1737		

Seq. No.	45852	Seq. ID	OJ000221_01.0313.C13
Gene No.	97098	Strand	-
Start	2319	End	2580
Name	OJ000221_01.0313.C13.o2.gs	Method	GENSCAN
Start	2319	End	2580
GI	none	Score	.96
Exons	2319..2376, 2537..2580		

Seq. No.	45853	Seq. ID	OJ000221_01.0313.C14
Gene No.	97099	Strand	+
Start	51	End	2160
Name	OJ000221_01.0313.C14.o1.gs	Method	GENSCAN
Start	51	End	2160
GI	none	Score	.69
Exons	51..386, 494..662, 1901..2160		

Seq. No.	45853	Seq. ID	OJ000221_01.0313.C14
Gene No.	97100	Strand	+

Start	9669	End	9886
Name	OJ000221_01.0313.C14.o2.np	Method	AAT/NAP
Start	9669	End	9886
GI	4680186	Score	162
Exons	9669..9886		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	45853	Seq. ID	OJ000221_01.0313.C14
Gene No.	97101	Strand	-
Start	3836	End	4768
Name	OJ000221_01.0313.C14.o1.np	Method	AAT/NAP
Start	3804	End	4768
GI	6594311	Score	732
Exons	3804..4768		
GI Descrip.	(AB035668) bulb chitinase-1 [Tulipa bakeri]		

Seq. No.	45853	Seq. ID	OJ000221_01.0313.C14
Gene No.	97101	Strand	-
Start	3836	End	4768
Name	OJ000221_01.0313.C14.o1.tm	Method	TBLASTX:Maize
Start	3814	End	4216
GI	none	Score	72
Exons	3814..3906, 3830..4216, 3834..4214		

Seq. No.	45853	Seq. ID	OJ000221_01.0313.C14
Gene No.	97101	Strand	-
Start	3836	End	4768
Name	OJ000221_01.0313.C14.o2.gs	Method	GENSCAN
Start	3836	End	4702
GI	none	Score	.68
Exons	3836..4702		

Seq. No.	45853	Seq. ID	OJ000221_01.0313.C14
Gene No.	97101	Strand	-
Start	3836	End	4768
Name	OJ000221_01.0313.C14.o1.ts	Method	TBLASTX:Soybean
Start	3842	End	4705
GI	none	Score	78
Exons	3842..4282, 4289..4438, 4290..4439, 4406..4621, 4553..4705, 4554..4688		

Seq. No.	45853	Seq. ID	OJ000221_01.0313.C14
Gene No.	97101	Strand	-
Start	3836	End	4768
Name	OJ000221_01.0313.C14.o2.tm	Method	TBLASTX:Maize
Start	4217	End	4706
GI	none	Score	80
Exons	4217..4315, 4218..4286, 4292..4705, 4293..4703, 4632..4706, 4634..4705		

Seq. No.	45854	Seq. ID	OJ000221_01.0313.C15
Gene No.	97102	Strand	+
Start	150	End	3340
Name	OJ000221_01.0313.C15.o1.np	Method	AAT/NAP
Start	150	End	3340
GI	6069653	Score	772
Exons	150..187, 1452..2264, 2294..3340		

GI Descrip. (AP000616) hypothetical protein [Oryza sativa]

Seq. No.	45854	Seq. ID	OJ000221_01.0313.C15
Gene No.	97102	Strand	+
Start	150	End	3340
Name	OJ000221_01.0313.C15.o1.gs	Method	GENSCAN
Start	1574	End	2208
GI	none	Score	.85
Exons	1574..2208		

Seq. No.	45854	Seq. ID	OJ000221_01.0313.C15
Gene No.	97103	Strand	+
Start	5982	End	6475
Name	OJ000221_01.0313.C15.o1.gp	Method	AAT/GAP
Start	5982	End	6475
GI	1251_1.R1084	Score	907
Exons	5982..6475		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	45854	Seq. ID	OJ000221_01.0313.C15
Gene No.	97104	Strand	-
Start	6216	End	7131
Name	OJ000221_01.0313.C15.o2.np	Method	AAT/NAP
Start	6184	End	7131
GI	6594311	Score	692
Exons	6184..7131		
GI Descrip.	(AB035668) bulb chitinase-1 [Tulipa bakeri]		

Seq. No.	45854	Seq. ID	OJ000221_01.0313.C15
Gene No.	97104	Strand	-
Start	6216	End	7131
Name	OJ000221_01.0313.C15.o1.tm	Method	TBLASTX:Maize
Start	6205	End	6596
GI	none	Score	389
Exons	6205..6594, 6213..6596		

Seq. No.	45854	Seq. ID	OJ000221_01.0313.C15
Gene No.	97104	Strand	-
Start	6216	End	7131
Name	OJ000221_01.0313.C15.o3.gs	Method	GENSCAN
Start	6216	End	7076
GI	none	Score	.98
Exons	6216..7076		

Seq. No.	45854	Seq. ID	OJ000221_01.0313.C15
Gene No.	97104	Strand	-
Start	6216	End	7131
Name	OJ000221_01.0313.C15.o1.ts	Method	TBLASTX:Soybean
Start	6222	End	7083
GI	none	Score	83
Exons	6222..6764, 6795..6944, 6927..7082, 6997..7083		

Seq. No.	45854	Seq. ID	OJ000221_01.0313.C15
Gene No.	97104	Strand	-
Start	6216	End	7131
Name	OJ000221_01.0313.C15.o2.tm	Method	TBLASTX:Maize

Start	6597	End	7082
GI	none	Score	73
Exons	6597..6689, 6598..6663, 6651..6764, 6652..6762, 6795..7082, 6802..7080		

Seq. No.	45854	Seq. ID	OJ000221_01.0313.C15
Gene No.	97104	Strand	-
Start	6216	End	7131
Name	OJ000221_01.0313.C15.o2.gp	Method	AAT/GAP
Start	6702	End	7116
GI	none	Score	814
Exons	6702..7116		

Seq. No.	45855	Seq. ID	OJ000221_01.0313.C17
Gene No.	97105	Strand	+
Start	949	End	1432
Name	OJ000221_01.0313.C17.o1.gs	Method	GENSCAN
Start	949	End	1432
GI	none	Score	.78
Exons	949..1005, 1042..1111, 1356..1432		

Seq. No.	45855	Seq. ID	OJ000221_01.0313.C17
Gene No.	97106	Strand	-
Start	1878	End	4423
Name	OJ000221_01.0313.C17.o2.gs	Method	GENSCAN
Start	1878	End	3582
GI	none	Score	.55
Exons	1878..2424, 2791..2917, 3297..3582		

Seq. No.	45855	Seq. ID	OJ000221_01.0313.C17
Gene No.	97106	Strand	-
Start	1878	End	4423
Name	OJ000221_01.0313.C17.o1.np	Method	AAT/NAP
Start	1963	End	4423
GI	7489002	Score	56
Exons	1963..2028, 2058..2170, 2198..2424, 4373..4423		
GI Descrip.	extensin-like protein Dif10 precursor - tomato (fragment) gi|1491720|emb|CAA67813.1| (X99451) extensin-like protein Dif10 [Lycopersicon esculentum]		

Seq. No.	45856	Seq. ID	OJ000221_01.0313.C18
Gene No.	97107	Strand	+
Start	2296	End	4073
Name	OJ000221_01.0313.C18.o2.gs	Method	GENSCAN
Start	2296	End	3555
GI	none	Score	.86
Exons	2296..3555		

Seq. No.	45856	Seq. ID	OJ000221_01.0313.C18
Gene No.	97107	Strand	+
Start	2296	End	4073
Name	OJ000221_01.0313.C18.o1.np	Method	AAT/NAP
Start	2331	End	4073
GI	6069646	Score	754
Exons	2331..2799, 3082..4073		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to		

Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	45856	Seq. ID	OJ000221_01.0313.C18
Gene No.	97108	Strand	+
Start	5564	End	7407
Name	OJ000221_01.0313.C18.o3.tm	Method	TBLASTX:Maize
Start	2335	End	3021
GI	none	Score	489
Exons	2335..3021, 2367..2540, 2580..2729, 2766..2795, 2817..3020		

Seq. No.	45856	Seq. ID	OJ000221_01.0313.C18
Gene No.	97108	Strand	+
Start	5564	End	7407
Name	OJ000221_01.0313.C18.o1.tw	Method	TBLASTX:Wheat
Start	2662	End	3102
GI	none	Score	234
Exons	2662..2958, 2947..3102		

Seq. No.	45856	Seq. ID	OJ000221_01.0313.C18
Gene No.	97108	Strand	+
Start	5564	End	7407
Name	OJ000221_01.0313.C18.o5.tm	Method	TBLASTX:Maize
Start	3081	End	3342
GI	none	Score	188
Exons	3081..3260, 3082..3258, 3265..3342		

Seq. No.	45856	Seq. ID	OJ000221_01.0313.C18
Gene No.	97108	Strand	+
Start	5564	End	7407
Name	OJ000221_01.0313.C18.o2.tw	Method	TBLASTX:Wheat
Start	3265	End	3647
GI	none	Score	95
Exons	3265..3402, 3522..3647		

Seq. No.	45856	Seq. ID	OJ000221_01.0313.C18
Gene No.	97108	Strand	+
Start	5564	End	7407
Name	OJ000221_01.0313.C18.o4.tm	Method	TBLASTX:Maize
Start	3582	End	4055
GI	none	Score	222
Exons	3582..3827, 3582..3680, 3596..3697, 3846..4055		

Seq. No.	45856	Seq. ID	OJ000221_01.0313.C18
Gene No.	97108	Strand	+
Start	5564	End	7407
Name	OJ000221_01.0313.C18.o3.gs	Method	GENSCAN
Start	5564	End	7399
GI	none	Score	.95
Exons	5564..7399		

Seq. No.	45856	Seq. ID	OJ000221_01.0313.C18
Gene No.	97108	Strand	+
Start	5564	End	7407
Name	OJ000221_01.0313.C18.o2.np	Method	AAT/NAP
Start	5855	End	7407

GI	7269889	Score	1178
Exons	5855..7407		
GI Descrip.	(AL161575) Ca2+-transporting ATPase-like protein [Arabidopsis thaliana]		

Seq. No.	45856	Seq. ID	OJ000221_01.0313.C18
Gene No.	97108	Strand	+
Start	5564	End	7407
Name	OJ000221_01.0313.C18.o1.gp	Method	AAT/GAP
Start	5888	End	6430
GI	uC-osflm202107c02b1	Score	1074
Exons	5888..6430		
GI Descrip.	'4914414/emb|CAB43665.1| 1.0e-31 (AL050352) Ca2+-transporting ATPase-like protein [Arabidopsis thaliana]'		

Seq. No.	45856	Seq. ID	OJ000221_01.0313.C18
Gene No.	97108	Strand	+
Start	5564	End	7407
Name	OJ000221_01.0313.C18.o2.ts	Method	TBLASTX:Soybean
Start	5948	End	6292
GI	none	Score	278
Exons	5948..6292, 5992..6168		

Seq. No.	45856	Seq. ID	OJ000221_01.0313.C18
Gene No.	97108	Strand	+
Start	5564	End	7407
Name	OJ000221_01.0313.C18.o2.tc	Method	TBLASTX:Cress
Start	5954	End	7405
GI	none	Score	172
Exons	5954..6301, 6031..6276, 6361..6450, 6362..6451, 7193..7405, 7204..7323		

Seq. No.	45856	Seq. ID	OJ000221_01.0313.C18
Gene No.	97108	Strand	+
Start	5564	End	7407
Name	OJ000221_01.0313.C18.o1.tm	Method	TBLASTX:Maize
Start	6130	End	6637
GI	none	Score	172
Exons	6130..6282, 6131..6301, 6212..6613, 6252..6374, 6361..6636, 6362..6637		

Seq. No.	45856	Seq. ID	OJ000221_01.0313.C18
Gene No.	97108	Strand	+
Start	5564	End	7407
Name	OJ000221_01.0313.C18.o3.ts	Method	TBLASTX:Soybean
Start	6361	End	6628
GI	none	Score	93
Exons	6361..6456, 6362..6442, 6454..6627, 6461..6628		

Seq. No.	45856	Seq. ID	OJ000221_01.0313.C18
Gene No.	97108	Strand	+
Start	5564	End	7407
Name	OJ000221_01.0313.C18.o1.tc	Method	TBLASTX:Cress
Start	6488	End	7006
GI	none	Score	441
Exons	6488..7006, 6514..6996		

Seq. No.	45856	Seq. ID	OJ000221_01.0313.C18
Gene No.	97108	Strand	+
Start	5564	End	7407
Name	OJ000221_01.0313.C18.o1.ts	Method	TBLASTX:Soybean
Start	6689	End	7342
GI	none	Score	299
Exons	6689..7006, 6784..6996, 7046..7165, 7166..7270, 7232..7342		

Seq. No.	45856	Seq. ID	OJ000221_01.0313.C18
Gene No.	97108	Strand	+
Start	5564	End	7407
Name	OJ000221_01.0313.C18.o2.tm	Method	TBLASTX:Maize
Start	6775	End	7129
GI	none	Score	518
Exons	6775..7128, 6776..7129		

Seq. No.	45857	Seq. ID	OJ000221_01.0313.C19
Gene No.	97109	Strand	+
Start	1	End	916
Name	OJ000221_01.0313.C19.o1.np	Method	AAT/NAP
Start	1	End	916
GI	7269889	Score	939
Exons	1..916		
GI Descrip.	(AL161575) Ca2+-transporting ATPase-like protein [Arabidopsis thaliana]		

Seq. No.	45857	Seq. ID	OJ000221_01.0313.C19
Gene No.	97110	Strand	+
Start	5982	End	6049
Name	OJ000221_01.0313.C19.o2.gp	Method	AAT/GAP
Start	5982	End	6049
GI	3759960	Score	69
Exons	5982..6049		

Seq. No.	45857	Seq. ID	OJ000221_01.0313.C19
Gene No.	97111	Strand	-
Start	3670	End	4971
Name	OJ000221_01.0313.C19.o1.gp	Method	AAT/GAP
Start	3670	End	4971
GI	960_1.R1084	Score	1809
Exons	3670..4272, 4643..4971		
GI Descrip.	'2407800/emb|CAA73155| 1.0e-49 (Y12575) histone H2A.F/Z [Arabidopsis thaliana]'		

Seq. No.	45857	Seq. ID	OJ000221_01.0313.C19
Gene No.	97111	Strand	-
Start	3670	End	4971
Name	OJ000221_01.0313.C19.o2.np	Method	AAT/NAP
Start	3979	End	4765
GI	6319146	Score	634
Exons	3979..4272, 4643..4765		
GI Descrip.	(AF193345) H2A protein [Oryza sativa]		

Seq. No.	45857	Seq. ID	OJ000221_01.0313.C19
Gene No.	97112	Strand	-
Start	7930	End	9692
Name	OJ000221_01.0313.C19.o3.np	Method	AAT/NAP

Start	7930	End	9692
GI	7339712	Score	187
Exons	7930..8275, 9672..9692		
GI Descrip.	(AP001539) Similar to Arabidopsis thaliana chromosome II BAC T3F17; unknown protein. (AC005397) [Oryza sativa]		

Seq. No.	45857	Seq. ID	OJ000221_01.0313.C19
Gene No.	97113	Strand	-
Start	10652	End	11478
Name	OJ000221_01.0313.C19.o1.ts	Method	TBLASTX:Soybean
Start	2	End	871
GI	none	Score	665
Exons	2..493, 52..378, 580..861, 587..871		

Seq. No.	45857	Seq. ID	OJ000221_01.0313.C19
Gene No.	97113	Strand	-
Start	10652	End	11478
Name	OJ000221_01.0313.C19.o1.tm	Method	TBLASTX:Maize
Start	23	End	877
GI	none	Score	614
Exons	23..493, 64..486, 571..870, 587..877		

Seq. No.	45857	Seq. ID	OJ000221_01.0313.C19
Gene No.	97113	Strand	-
Start	10652	End	11478
Name	OJ000221_01.0313.C19.o1.tc	Method	TBLASTX:Cress
Start	70	End	856
GI	none	Score	535
Exons	70..486, 71..493, 586..789, 587..856		

Seq. No.	45857	Seq. ID	OJ000221_01.0313.C19
Gene No.	97113	Strand	-
Start	10652	End	11478
Name	OJ000221_01.0313.C19.o2.tw	Method	TBLASTX:Wheat
Start	562	End	876
GI	none	Score	238
Exons	562..876, 587..868		

Seq. No.	45857	Seq. ID	OJ000221_01.0313.C19
Gene No.	97113	Strand	-
Start	10652	End	11478
Name	OJ000221_01.0313.C19.o2.tm	Method	TBLASTX:Maize
Start	3955	End	4278
GI	none	Score	306
Exons	3955..4278, 3977..4273		

Seq. No.	45857	Seq. ID	OJ000221_01.0313.C19
Gene No.	97113	Strand	-
Start	10652	End	11478
Name	OJ000221_01.0313.C19.o2.ts	Method	TBLASTX:Soybean
Start	3970	End	4279
GI	none	Score	304
Exons	3970..4278, 3980..4279		

Seq. No.	45857	Seq. ID	OJ000221_01.0313.C19
Gene No.	97113	Strand	-
Start	10652	End	11478

Name	OJ000221_01.0313.C19.o1.tw	Method	TBLASTX:Wheat
Start	3976	End	4278
GI	none	Score	334
Exons	3976..4278, 3977..4273		

Seq. No.	45857	Seq. ID	OJ000221_01.0313.C19
Gene No.	97113	Strand	-
Start	10652	End	11478
Name	OJ000221_01.0313.C19.o2.tc	Method	TBLASTX:Cress
Start	3976	End	4278
GI	none	Score	269
Exons	3976..4278, 3977..4273		

Seq. No.	45857	Seq. ID	OJ000221_01.0313.C19
Gene No.	97113	Strand	-
Start	10652	End	11478
Name	OJ000221_01.0313.C19.o2.gs	Method	GENSCAN
Start	10652	End	11478
GI	none	Score	.41
Exons	10652..10682, 10727..10837, 11375..11478		

Seq. No.	45858	Seq. ID	OJ000121_08.0306.C2
Gene No.	97114	Strand	
Start	2107	End	3492
Name	OJ000121_08.0306.C2.o1.tw	Method	TBLASTX:Wheat
Start	2107	End	3492
GI	none	Score	60
Exons	2107..2142, 2337..2408, 2338..2406, 2340..2417, 2480..2593, 2502..2591, 2522..2599, 2657..2710, 2674..2703, 2702..2746, 2717..2746, 3359..3436, 3372..3437, 3373..3435, 3440..3490, 3442..3492, 3442..3489		

Seq. No.	45858	Seq. ID	OJ000121_08.0306.C2
Gene No.	97114	Strand	
Start	2107	End	3492
Name	OJ000121_08.0306.C2.o1.ts	Method	TBLASTX:Soybean
Start	2349	End	3490
GI	none	Score	102
Exons	2349..2408, 2352..2417, 2486..2593, 2496..2597, 2522..2599, 2662..2700, 2669..2746, 2674..2736, 3384..3482, 3386..3490		

Seq. No.	45859	Seq. ID	OJ000121_08.0306.C5
Gene No.	97115	Strand	
Start	268	End	2431
Name	OJ000121_08.0306.C5.o1.ts	Method	TBLASTX:Soybean
Start	268	End	691
GI	none	Score	306
Exons	268..504, 270..503, 370..519, 392..520, 602..691, 609..689		

Seq. No.	45859	Seq. ID	OJ000121_08.0306.C5
Gene No.	97115	Strand	
Start	268	End	2431
Name	OJ000121_08.0306.C5.o2.tc	Method	TBLASTX:Cress
Start	284	End	647
GI	none	Score	36
Exons	284..307, 286..504, 287..322, 351..503, 392..505, 410..505, 621..647		

Seq. No.	45859	Seq. ID	OJ000121_08.0306.C5
Gene No.	97115	Strand	
Start	268	End	2431
Name	OJ000121_08.0306.C5.o1.tm	Method	TBLASTX:Maize
Start	330	End	2214
GI	none	Score	82
Exons	330..500, 346..501, 351..500, 599..706, 602..844, 609..845, 615..845, 854..892, 858..896, 971..1105, 975..1115, 987..1103, 1022..1105, 1228..1401, 1242..1295, 1249..1401, 1997..2110, 1999..2100, 2191..2214, 2193..2213		

Seq. No.	45859	Seq. ID	OJ000121_08.0306.C5
Gene No.	97115	Strand	
Start	268	End	2431
Name	OJ000121_08.0306.C5.o1.tw	Method	TBLASTX:Wheat
Start	337	End	761
GI	none	Score	41
Exons	337..390, 370..504, 396..503, 602..760, 609..761		

Seq. No.	45859	Seq. ID	OJ000121_08.0306.C5
Gene No.	97115	Strand	
Start	268	End	2431
Name	OJ000121_08.0306.C5.o3.ts	Method	TBLASTX:Soybean
Start	692	End	896
GI	none	Score	202
Exons	692..844, 693..851, 858..896		

Seq. No.	45859	Seq. ID	OJ000121_08.0306.C5
Gene No.	97115	Strand	
Start	268	End	2431
Name	OJ000121_08.0306.C5.o1.tc	Method	TBLASTX:Cress
Start	858	End	2092
GI	none	Score	47
Exons	858..896, 860..916, 970..1104, 975..1109, 1011..1106, 1227..1403, 1228..1401, 1228..1404, 1994..2092		

Seq. No.	45859	Seq. ID	OJ000121_08.0306.C5
Gene No.	97115	Strand	
Start	268	End	2431
Name	OJ000121_08.0306.C5.o2.ts	Method	TBLASTX:Soybean
Start	1240	End	2410
GI	none	Score	191
Exons	1240..1401, 1249..1401, 1993..2082, 1994..2110, 2185..2400, 2186..2410, 2188..2409		

Seq. No.	45859	Seq. ID	OJ000121_08.0306.C5
Gene No.	97115	Strand	
Start	268	End	2431
Name	OJ000121_08.0306.C5.o2.tm	Method	TBLASTX:Maize
Start	2174	End	2431
GI	none	Score	199
Exons	2174..2335, 2214..2336, 2215..2337, 2215..2337, 2328..2399, 2329..2400, 2338..2397, 2339..2431		

Seq. No.	45859	Seq. ID	OJ000121_08.0306.C5
Gene No.	97115	Strand	

Start	268	End	2431
Name	OJ000121_08.0306.C5.o3.tc	Method	TBLASTX:Cress
Start	2179	End	2400
GI	none	Score	95
Exons	2179..2244, 2186..2245, 2240..2365, 2251..2364, 2368..2400		

Seq. No.	45860	Seq. ID	OJ000121_08.0306.C7
Gene No.	97116	Strand	+
Start	2975	End	5269
Name	OJ000121_08.0306.C7.o1.gp	Method	AAT/GAP
Start	2975	End	4599
GI	LIB3434-025-P1-K1-C2	Score	847
Exons	2975..3204, 3291..3395, 4355..4412, 4517..4599		
GI Descrip.	'2435511 4.0e-29 (AF024504) contains similarity to prolyl 4-hydroxylase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	45860	Seq. ID	OJ000121_08.0306.C7
Gene No.	97116	Strand	+
Start	2975	End	5269
Name	OJ000121_08.0306.C7.o2.tm	Method	TBLASTX:Maize
Start	3106	End	3397
GI	none	Score	118
Exons	3106..3204, 3106..3204, 3114..3209, 3294..3395, 3311..3385, 3326..3397, 3333..3395		

Seq. No.	45860	Seq. ID	OJ000121_08.0306.C7
Gene No.	97116	Strand	+
Start	2975	End	5269
Name	OJ000121_08.0306.C7.o1.tc	Method	TBLASTX:Cress
Start	3108	End	5251
GI	none	Score	106
Exons	3108..3188, 3109..3204, 3294..3389, 3308..3442, 4352..4429, 4499..4594, 4504..4692, 4515..4691, 4939..5079, 4949..5098, 4952..5080, 5129..5251, 5134..5250		

Seq. No.	45860	Seq. ID	OJ000121_08.0306.C7
Gene No.	97116	Strand	+
Start	2975	End	5269
Name	OJ000121_08.0306.C7.o1.ts	Method	TBLASTX:Soybean
Start	3108	End	5254
GI	none	Score	125
Exons	3108..3194, 3109..3213, 3294..3395, 3308..3388, 4352..4429, 4503..4694, 4504..4692, 4515..4694, 4809..4838, 4812..4838, 4945..5079, 4946..5098, 4949..5080, 5129..5251, 5142..5177, 5149..5241, 5159..5254		

Seq. No.	45860	Seq. ID	OJ000121_08.0306.C7
Gene No.	97116	Strand	+
Start	2975	End	5269
Name	OJ000121_08.0306.C7.o1.tm	Method	TBLASTX:Maize
Start	4364	End	5269
GI	none	Score	84
Exons	4364..4429, 4497..4691, 4504..4692, 4545..4697, 4791..4838, 4796..4837, 4946..5269, 4948..5253		

Seq. No.	45861	Seq. ID	OJ000121_08.0306.C9
Gene No.	97117	Strand	+

Start	495	End	952
Name	OJ000121_08.0306.C9.o1.gp	Method	AAT/GAP
Start	495	End	952
GI	2429054	Score	775
Exons	495..952		

Seq. No.	45861	Seq. ID	OJ000121_08.0306.C9
Gene No.	97118	Strand	-
Start	7399	End	7849
Name	OJ000121_08.0306.C9.o1.tc	Method	TBLASTX:Cress
Start	3265	End	7752
GI	none	Score	69
Exons	3265..3360, 5312..5401, 5519..5650, 5537..5701, 6386..6517, 6429..6515, 6781..6975, 6863..6970, 7274..7378, 7403..7471, 7642..7752		

Seq. No.	45861	Seq. ID	OJ000121_08.0306.C9
Gene No.	97118	Strand	-
Start	7399	End	7849
Name	OJ000121_08.0306.C9.o1.tm	Method	TBLASTX:Maize
Start	3265	End	7749
GI	none	Score	72
Exons	3265..3351, 5312..5401, 5510..5701, 5516..5671, 6386..6517, 6429..6515, 6781..6975, 6863..6970, 7274..7393, 7403..7471, 7642..7749		

Seq. No.	45861	Seq. ID	OJ000121_08.0306.C9
Gene No.	97118	Strand	-
Start	7399	End	7849
Name	OJ000121_08.0306.C9.o1.ts	Method	TBLASTX:Soybean
Start	3265	End	7749
GI	none	Score	98
Exons	3265..3360, 5312..5401, 5519..5701, 6386..6517, 6429..6515, 6781..6975, 6863..6970, 7274..7378, 7403..7471, 7642..7749		

Seq. No.	45861	Seq. ID	OJ000121_08.0306.C9
Gene No.	97118	Strand	-
Start	7399	End	7849
Name	OJ000121_08.0306.C9.o3.gp	Method	AAT/GAP
Start	7399	End	7849
GI	1631692	Score	558
Exons	7399..7470, 7602..7849		

Seq. No.	45862	Seq. ID	OJ000121_08.0306.C10
Gene No.	97119	Strand	+
Start	596	End	1431
Name	OJ000121_08.0306.C10.o1.gp	Method	AAT/GAP
Start	596	End	1431
GI	40416_1.R1084	Score	1053
Exons	596..1178, 1377..1431		
GI Descrip.	'2494115 1.0e-26 (AC002376) Strong similarity to Arabidopsis ATHSAR1 (gb_M90418). ESTs gb_T44122,gb_N65276,gb_AA041135 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	45863	Seq. ID	OJ000121_08.0306.C11
Gene No.	97120	Strand	-
Start	869	End	2549

Name	OJ000121_08.0306.C11.o1.tc	Method	TBLASTX:Cress
Start	613	End	2549
GI	none	Score	74
Exons	613..690, 618..689, 631..690, 787..810, 788..910, 789..911, 998..1114, 1000..1140, 1000..1140, 2424..2549, 2461..2544		

Seq. No.	45863	Seq. ID	OJ000121_08.0306.C11
Gene No.	97120	Strand	-
Start	869	End	2549
Name	OJ000121_08.0306.C11.o1.ts	Method	TBLASTX:Soybean
Start	613	End	2549
GI	none	Score	139
Exons	613..690, 786..899, 788..907, 789..905, 1000..1140, 1067..1138, 2424..2549, 2452..2547		

Seq. No.	45863	Seq. ID	OJ000121_08.0306.C11
Gene No.	97120	Strand	-
Start	869	End	2549
Name	OJ000121_08.0306.C11.o1.tm	Method	TBLASTX:Maize
Start	613	End	2549
GI	none	Score	63
Exons	613..690, 618..689, 631..690, 788..910, 789..911, 853..912, 869..913, 1000..1140, 1003..1143, 2424..2549, 2452..2547		

Seq. No.	45863	Seq. ID	OJ000121_08.0306.C11
Gene No.	97120	Strand	-
Start	869	End	2549
Name	OJ000121_08.0306.C11.o1.gp	Method	AAT/GAP
Start	869	End	2549
GI	16497_2.R1084	Score	578
Exons	869..911, 1001..1142, 2426..2549		
GI Descrip.	'2914706 3.0e-63 (AC003974) putative homeobox protein [Arabidopsis thaliana]'		

Seq. No.	45864	Seq. ID	OJ000121_08.0306.C12
Gene No.	97121	Strand	-
Start	1	End	101
Name	OJ000121_08.0306.C12.o1.gp	Method	AAT/GAP
Start	1	End	101
GI	16497_2.R1084	Score	174
Exons	1..101		
GI Descrip.	'2914706 3.0e-63 (AC003974) putative homeobox protein [Arabidopsis thaliana]'		

Seq. No.	45865	Seq. ID	OJ000121_08.0306.C15
Gene No.	97122	Strand	+
Start	518	End	1540
Name	OJ000121_08.0306.C15.o1.ts	Method	TBLASTX:Soybean
Start	517	End	1540
GI	none	Score	121
Exons	517..600, 518..610, 698..820, 701..820, 703..831, 729..833, 735..848, 850..888, 1484..1540		

Seq. No.	45865	Seq. ID	OJ000121_08.0306.C15
Gene No.	97122	Strand	+
Start	518	End	1540
Name	OJ000121_08.0306.C15.o1.gp	Method	AAT/GAP

Start	518	End	1521
GI	3107822	Score	413
Exons	518..610, 699..822, 1497..1521		

Seq. No.	45865	Seq. ID	OJ000121_08.0306.C15
Gene No.	97122	Strand	+
Start	518	End	1540
Name	OJ000121_08.0306.C15.o1.tm	Method	TBLASTX:Maize
Start	518	End	1540
GI	none	Score	137
Exons	518..610, 518..610, 519..623, 688..804, 698..817, 698..811, 729..833, 735..839, 1484..1540		

Seq. No.	45866	Seq. ID	OJ000121_08.0306.C16
Gene No.	97123	Strand	-
Start	636	End	1009
Name	OJ000121_08.0306.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	717
GI	none	Score	171
Exons	1..234, 3..137, 207..257, 315..431, 318..476, 597..632, 676..717		

Seq. No.	45866	Seq. ID	OJ000121_08.0306.C16
Gene No.	97123	Strand	-
Start	636	End	1009
Name	OJ000121_08.0306.C16.o1.gp	Method	AAT/GAP
Start	636	End	1009
GI	uC-osf1M202084e04a1	Score	736
Exons	636..1009		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	45867	Seq. ID	OJ000121_08.0306.C20
Gene No.	97124	Strand	
Start	791	End	1313
Name	OJ000121_08.0306.C20.o1.tw	Method	TBLASTX:Wheat
Start	791	End	1313
GI	none	Score	68
Exons	791..862, 962..1144, 969..1094, 1233..1313		

Seq. No.	45868	Seq. ID	OJ000121_08.0306.C21
Gene No.	97125	Strand	-
Start	425	End	536
Name	OJ000121_08.0306.C21.o1.gp	Method	AAT/GAP
Start	425	End	536
GI	LIB3477-003-P1-K1-E9	Score	124
Exons	425..536		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	45869	Seq. ID	OJ000121_08.0306.C22
Gene No.	97126	Strand	+
Start	9389	End	9788
Name	OJ000121_08.0306.C22.o1.gp	Method	AAT/GAP
Start	9389	End	9788
GI	none	Score	800
Exons	9389..9788		

Seq. No.	45869	Seq. ID	OJ000121_08.0306.C22
Gene No.	97127	Strand	-
Start	13011	End	13521
Name	OJ000121_08.0306.C22.o1.tm	Method	TBLASTX:Maize
Start	9808	End	10097
GI	none	Score	210
Exons	9808..9978, 9837..9977, 9966..10097, 9970..10095		

Seq. No.	45869	Seq. ID	OJ000121_08.0306.C22
Gene No.	97127	Strand	-
Start	13011	End	13521
Name	OJ000121_08.0306.C22.o1.ts	Method	TBLASTX:Soybean
Start	9846	End	12718
GI	none	Score	77
Exons	9846..9992, 9868..9960, 9978..10373, 9979..10374, 10887..11063, 10889..11038, 11555..11800, 11577..11657, 11709..11786, 12257..12718, 12262..12717		

Seq. No.	45869	Seq. ID	OJ000121_08.0306.C22
Gene No.	97127	Strand	-
Start	13011	End	13521
Name	OJ000121_08.0306.C22.o1.tc	Method	TBLASTX:Cress
Start	9987	End	11060
GI	none	Score	59
Exons	9987..10373, 10045..10164, 10210..10356, 10887..11060, 10889..11038		

Seq. No.	45869	Seq. ID	OJ000121_08.0306.C22
Gene No.	97127	Strand	-
Start	13011	End	13521
Name	OJ000121_08.0306.C22.o2.tm	Method	TBLASTX:Maize
Start	10140	End	10358
GI	none	Score	129
Exons	10140..10358, 10210..10356		

Seq. No.	45869	Seq. ID	OJ000121_08.0306.C22
Gene No.	97127	Strand	-
Start	13011	End	13521
Name	OJ000121_08.0306.C22.o2.tc	Method	TBLASTX:Cress
Start	11588	End	11713
GI	none	Score	93
Exons	11588..11713, 11589..11663		

Seq. No.	45869	Seq. ID	OJ000121_08.0306.C22
Gene No.	97127	Strand	-
Start	13011	End	13521
Name	OJ000121_08.0306.C22.o2.ts	Method	TBLASTX:Soybean
Start	12797	End	13298
GI	none	Score	44
Exons	12797..12850, 12799..12849, 12850..12933, 12857..12919, 12985..13071, 12986..13072, 13113..13298, 13154..13297		

Seq. No.	45869	Seq. ID	OJ000121_08.0306.C22
Gene No.	97127	Strand	-
Start	13011	End	13521
Name	OJ000121_08.0306.C22.o1.tw	Method	TBLASTX:Wheat

Start	13010	End	13424
GI	none	Score	78
Exons	13010..13063, 13010..13063, 13012..13071, 13140..13301, 13140..13166, 13154..13306, 13386..13424, 13392..13421		

Seq. No.	45869	Seq. ID	OJ000121_08.0306.C22
Gene No.	97127	Strand	-
Start	13011	End	13521
Name	OJ000121_08.0306.C22.o2.gp	Method	AAT/GAP
Start	13011	End	13521
GI	none	Score	616
Exons	13011..13062, 13145..13302, 13388..13521		

Seq. No.	45870	Seq. ID	OJ000251_02.0313.C4
Gene No.	97128	Strand	-
Start	526	End	619
Name	OJ000251_02.0313.C4.o1.gs	Method	GENSCAN
Start	526	End	619
GI	none	Score	.44
Exons	526..619		

Seq. No.	45871	Seq. ID	OJ000251_02.0313.C5
Gene No.	97129	Strand	+
Start	2834	End	3350
Name	OJ000251_02.0313.C5.o2.gp	Method	AAT/GAP
Start	2834	End	3350
GI	38782_1.R1084	Score	814
Exons	2834..3350		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	45871	Seq. ID	OJ000251_02.0313.C5
Gene No.	97130	Strand	+
Start	8741	End	11464
Name	OJ000251_02.0313.C5.o2.gs	Method	GENSCAN
Start	8741	End	11464
GI	none	Score	.76
Exons	8741..9268, 9282..9666, 9992..10159, 10272..11464		

Seq. No.	45871	Seq. ID	OJ000251_02.0313.C5
Gene No.	97130	Strand	+
Start	8741	End	11464
Name	OJ000251_02.0313.C5.o3.np	Method	AAT/NAP
Start	8759	End	11443
GI	3355308	Score	1022
Exons	8759..9108, 9151..9666, 9992..10143, 10250..11443		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	45871	Seq. ID	OJ000251_02.0313.C5
Gene No.	97131	Strand	-
Start	1	End	7043
Name	OJ000251_02.0313.C5.o1.np	Method	AAT/NAP
Start	1	End	1395
GI	6907086	Score	1110
Exons	1..120, 351..590, 650..1395		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	45871	Seq. ID	OJ000251_02.0313.C5
Gene No.	97131	Strand	-
Start	1	End	7043
Name	OJ000251_02.0313.C5.o2.np	Method	AAT/NAP
Start	571	End	5487
GI	4680186	Score	201
Exons	571..640, 2350..2528, 3029..3092, 5448..5487		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	45871	Seq. ID	OJ000251_02.0313.C5
Gene No.	97131	Strand	-
Start	1	End	7043
Name	OJ000251_02.0313.C5.o1.gs	Method	GENSCAN
Start	681	End	7043
GI	none	Score	.45
Exons	681..1193, 2350..2524, 3395..3498, 5480..5616, 6206..6248, 6341..6452, 6898..7043		

Seq. No.	45871	Seq. ID	OJ000251_02.0313.C5
Gene No.	97131	Strand	-
Start	1	End	7043
Name	OJ000251_02.0313.C5.o1.gp	Method	AAT/GAP
Start	1481	End	1675
GI	5667165	Score	327
Exons	1481..1675		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	45871	Seq. ID	OJ000251_02.0313.C5
Gene No.	97131	Strand	-
Start	1	End	7043
Name	OJ000251_02.0313.C5.o3.gp	Method	AAT/GAP
Start	4816	End	5021
GI	3766626	Score	267
Exons	4816..5021		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	45871	Seq. ID	OJ000251_02.0313.C5
Gene No.	97132	Strand	
Start	8780	End	11332
Name	OJ000251_02.0313.C5.o1.tc	Method	TBLASTX:Cress
Start	8780	End	11311
GI	none	Score	87
Exons	8780..8905, 9393..9509, 9578..9658, 9579..9662, 10364..10405, 10445..11311, 10549..10731, 10619..10741, 10831..11154, 11242..11289		

Seq. No.	45871	Seq. ID	OJ000251_02.0313.C5
Gene No.	97132	Strand	
Start	8780	End	11332
Name	OJ000251_02.0313.C5.o1.tm	Method	TBLASTX:Maize
Start	10332	End	11332
GI	none	Score	50
Exons	10332..10400, 10333..10401, 10445..11332, 10445..10555, 10546..10734, 10622..10804, 10831..11124, 11230..11331		

Seq. No.	45871	Seq. ID	OJ000251_02.0313.C5
Gene No.	97132	Strand	
Start	8780	End	11332
Name	OJ000251_02.0313.C5.o1.ts	Method	TBLASTX:Soybean
Start	10364	End	11154
GI	none	Score	52
Exons	10364..10405, 10445..10585, 10568..11137, 10579..10680, 10828..11154		

Seq. No.	45871	Seq. ID	OJ000251_02.0313.C5
Gene No.	97132	Strand	
Start	8780	End	11332
Name	OJ000251_02.0313.C5.o1.tw	Method	TBLASTX:Wheat
Start	10463	End	10825
GI	none	Score	383
Exons	10463..10825, 10482..10538, 10549..10761		

Seq. No.	45871	Seq. ID	OJ000251_02.0313.C5
Gene No.	97132	Strand	
Start	8780	End	11332
Name	OJ000251_02.0313.C5.o2.tw	Method	TBLASTX:Wheat
Start	10826	End	11077
GI	none	Score	143
Exons	10826..10957, 10828..10956, 10958..11077, 10963..11076		

Seq. No.	45872	Seq. ID	OJ000251_02.0313.C6
Gene No.	97133	Strand	-
Start	918	End	984
Name	OJ000251_02.0313.C6.o1.gp	Method	AAT/GAP
Start	918	End	984
GI	LIB3431-030-P1-N1-G8	Score	82
Exons	918..984		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	45873	Seq. ID	OJ000251_02.0313.C7
Gene No.	97134	Strand	-
Start	1	End	4845
Name	OJ000251_02.0313.C7.o1.np	Method	AAT/NAP
Start	1	End	4845
GI	7228438	Score	1205
Exons	1..54, 436..857, 2204..2354, 2447..2708, 2813..3111, 3192..3605, 3691..3804, 4796..4845		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	45873	Seq. ID	OJ000251_02.0313.C7
Gene No.	97134	Strand	-
Start	1	End	4845
Name	OJ000251_02.0313.C7.o1.gs	Method	GENSCAN
Start	436	End	4284
GI	none	Score	.65
Exons	436..756, 1145..1398, 1462..1831, 2099..2200, 2247..2354, 2447..2708, 2813..3111, 3192..3310, 3383..3605, 3691..4057, 4133..4284		

Seq. No.	45873	Seq. ID	OJ000251_02.0313.C7
Gene No.	97134	Strand	-
Start	1	End	4845
Name	OJ000251_02.0313.C7.o1.gp	Method	AAT/GAP
Start	1769	End	4018
GI	LIB3433-020-P1-K1-A6	Score	744
Exons	1769..2149, 3968..4018		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	45873	Seq. ID	OJ000251_02.0313.C7
Gene No.	97134	Strand	-
Start	1	End	4845
Name	OJ000251_02.0313.C7.o1.tw	Method	TBLASTX:Wheat
Start	3784	End	3966
GI	none	Score	108
Exons	3784..3903, 3785..3904, 3902..3952, 3913..3966		

Seq. No.	45874	Seq. ID	OJ000251_02.0313.C8
Gene No.	97135	Strand	-
Start	1	End	2101
Name	OJ000251_02.0313.C8.o1.np	Method	AAT/NAP
Start	1	End	2101
GI	7228442	Score	2280
Exons	1..2101		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	45874	Seq. ID	OJ000251_02.0313.C8
Gene No.	97135	Strand	-
Start	1	End	2101
Name	OJ000251_02.0313.C8.o1.tw	Method	TBLASTX:Wheat
Start	395	End	772
GI	none	Score	69
Exons	395..568, 406..546, 501..569, 593..769, 618..770, 623..772		

Seq. No.	45874	Seq. ID	OJ000251_02.0313.C8
Gene No.	97135	Strand	-
Start	1	End	2101
Name	OJ000251_02.0313.C8.o1.tm	Method	TBLASTX:Maize
Start	470	End	1066
GI	none	Score	228
Exons	470..541, 588..1061, 599..1066		

Seq. No.	45875	Seq. ID	OJ000251_02.0313.C9
Gene No.	97136	Strand	+
Start	123	End	183
Name	OJ000251_02.0313.C9.o1.gp	Method	AAT/GAP
Start	123	End	183
GI	LIB3431-030-P1-N1-G8	Score	83
Exons	123..183		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	45875	Seq. ID	OJ000251_02.0313.C9
Gene No.	97137	Strand	+

Start	1772	End	6088
Name	OJ000251_02.0313.C9.o1.gs	Method	GENSCAN
Start	1772	End	6088
GI	none	Score	.66
Exons	1772..2720, 2876..3040, 3373..4434, 5838..6088		

Seq. No.	45875	Seq. ID	OJ000251_02.0313.C9
Gene No.	97137	Strand	+
Start	1772	End	6088
Name	OJ000251_02.0313.C9.o1.np	Method	AAT/NAP
Start	1790	End	4532
GI	3355308	Score	1086
Exons	1790..2033, 2123..2720, 2876..3040, 3373..4532		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	45875	Seq. ID	OJ000251_02.0313.C9
Gene No.	97137	Strand	+
Start	1772	End	6088
Name	OJ000251_02.0313.C9.o1.tc	Method	TBLASTX:Cress
Start	1853	End	4400
GI	none	Score	98
Exons	1853..1936, 2330..2365, 2447..2563, 2624..2725, 3429..3554, 3431..3571, 3456..4400, 3650..4102, 3861..4397		

Seq. No.	45875	Seq. ID	OJ000251_02.0313.C9
Gene No.	97137	Strand	+
Start	1772	End	6088
Name	OJ000251_02.0313.C9.o1.tm	Method	TBLASTX:Maize
Start	3434	End	4427
GI	none	Score	90
Exons	3434..3502, 3435..3575, 3465..4427, 3548..3583, 3644..3823, 3717..3893, 3868..4140, 3875..4249, 4331..4420		

Seq. No.	45875	Seq. ID	OJ000251_02.0313.C9
Gene No.	97137	Strand	+
Start	1772	End	6088
Name	OJ000251_02.0313.C9.o1.ts	Method	TBLASTX:Soybean
Start	3450	End	4242
GI	none	Score	69
Exons	3450..3515, 3450..3674, 3657..4226, 3695..4114, 3913..4242, 4059..4175		

Seq. No.	45875	Seq. ID	OJ000251_02.0313.C9
Gene No.	97137	Strand	+
Start	1772	End	6088
Name	OJ000251_02.0313.C9.o1.tw	Method	TBLASTX:Wheat
Start	3552	End	3914
GI	none	Score	399
Exons	3552..3914, 3647..3913		

Seq. No.	45875	Seq. ID	OJ000251_02.0313.C9
Gene No.	97137	Strand	+
Start	1772	End	6088
Name	OJ000251_02.0313.C9.o2.tw	Method	TBLASTX:Wheat
Start	3915	End	4166
GI	none	Score	135
Exons	3915..4031, 3917..4045, 4047..4166		

Seq. No.	45876	Seq. ID	OJ000251_02.0313.C13
Gene No.	97138	Strand	-
Start	185	End	449
Name	OJ000251_02.0313.C13.o1.gs	Method	GENSCAN
Start	185	End	449
GI	none	Score	.57
Exons	185..276, 383..449		

Seq. No.	45877	Seq. ID	OJ000251_02.0313.C14
Gene No.	97139	Strand	-
Start	646	End	1228
Name	OJ000251_02.0313.C14.o1.gs	Method	GENSCAN
Start	646	End	1228
GI	none	Score	.95
Exons	646..755, 1154..1228		

Seq. No.	45878	Seq. ID	OJ000251_02.0313.C15
Gene No.	97140	Strand	+
Start	3269	End	4692
Name	OJ000251_02.0313.C15.o1.gp	Method	AAT/GAP
Start	3159	End	3564
GI	none	Score	581
Exons	3159..3416, 3512..3564		

Seq. No.	45878	Seq. ID	OJ000251_02.0313.C15
Gene No.	97140	Strand	+
Start	3269	End	4692
Name	OJ000251_02.0313.C15.o2.gs	Method	GENSCAN
Start	3269	End	4690
GI	none	Score	.87
Exons	3269..3416, 3512..3666, 3760..3942, 4047..4381, 4513..4690		

Seq. No.	45878	Seq. ID	OJ000251_02.0313.C15
Gene No.	97140	Strand	+
Start	3269	End	4692
Name	OJ000251_02.0313.C15.o1.np	Method	AAT/NAP
Start	3278	End	4692
GI	2960364	Score	868
Exons	3278..3416, 3512..3666, 3757..3942, 4047..4399, 4513..4692		
GI Descrip.	(AJ224986) cinnamoyl CoA reductase [Populus balsamifera subsp. trichocarpa]		

Seq. No.	45878	Seq. ID	OJ000251_02.0313.C15
Gene No.	97141	Strand	-
Start	313	End	670
Name	OJ000251_02.0313.C15.o1.gs	Method	GENSCAN
Start	313	End	670
GI	none	Score	.64
Exons	313..670		

Seq. No.	45878	Seq. ID	OJ000251_02.0313.C15
Gene No.	97142	Strand	-
Start	4956	End	5265
Name	OJ000251_02.0313.C15.o1.ts	Method	TBLASTX:Soybean
Start	3254	End	4657
GI	none	Score	134

Exons	3254..3415, 3288..3299, 3322..3414, 3514..3666, 3615..3653, 3757..3939, 3759..3893, 4044..4409, 4511..4657, 4528..4653		
Seq. No.	45878	Seq. ID	OJ000251_02.0313.C15
Gene No.	97142	Strand	-
Start	4956	End	5265
Name	OJ000251_02.0313.C15.o1.tm	Method	TBLASTX:Maize
Start	3307	End	4799
GI	none	Score	169
Exons	3307..3414, 3308..3415, 3309..3416, 3511..3666, 3515..3550, 3612..3668, 3759..3896, 3760..3942, 3892..3933, 4028..4231, 4029..4400, 4290..4346, 4307..4408, 4511..4666, 4512..4655, 4525..4665, 4719..4799		
Seq. No.	45878	Seq. ID	OJ000251_02.0313.C15
Gene No.	97142	Strand	-
Start	4956	End	5265
Name	OJ000251_02.0313.C15.o2.tw	Method	TBLASTX:Wheat
Start	3314	End	3666
GI	none	Score	106
Exons	3314..3412, 3316..3402, 3514..3666, 3618..3653		
Seq. No.	45878	Seq. ID	OJ000251_02.0313.C15
Gene No.	97142	Strand	-
Start	4956	End	5265
Name	OJ000251_02.0313.C15.o1.tc	Method	TBLASTX:Cress
Start	3319	End	3939
GI	none	Score	126
Exons	3319..3414, 3320..3415, 3514..3666, 3618..3668, 3757..3939, 3765..3890		
Seq. No.	45878	Seq. ID	OJ000251_02.0313.C15
Gene No.	97142	Strand	-
Start	4956	End	5265
Name	OJ000251_02.0313.C15.o1.tw	Method	TBLASTX:Wheat
Start	4179	End	4645
GI	none	Score	78
Exons	4179..4322, 4325..4408, 4326..4409, 4511..4645, 4512..4589, 4528..4644		
Seq. No.	45878	Seq. ID	OJ000251_02.0313.C15
Gene No.	97142	Strand	-
Start	4956	End	5265
Name	OJ000251_02.0313.C15.o3.gs	Method	GENSCAN
Start	4956	End	5265
GI	none	Score	.61
Exons	4956..5120, 5158..5265		
Seq. No.	45879	Seq. ID	OJ000251_02.0313.C17
Gene No.	97143	Strand	+
Start	138	End	483
Name	OJ000251_02.0313.C17.o1.gs	Method	GENSCAN
Start	138	End	483
GI	none	Score	.54
Exons	138..176, 419..483		
Seq. No.	45880	Seq. ID	OJ000251_02.0313.C18

Gene No.	97144	Strand	-
Start	1	End	1050
Name	OJ000251_02.0313.C18.o1.np	Method	AAT/NAP
Start	1	End	1050
GI	7267274	Score	223
Exons	1..156, 185..415, 449..712, 970..1050		
GI Descrip.	(AL161502) putative protein [Arabidopsis thaliana]		

Seq. No.	45880	Seq. ID	OJ000251_02.0313.C18
Gene No.	97144	Strand	-
Start	1	End	1050
Name	OJ000251_02.0313.C18.o1.tm	Method	TBLASTX:Maize
Start	119	End	715
GI	none	Score	83
Exons	119..145, 272..382, 449..553, 449..541, 563..715, 633..710		

Seq. No.	45880	Seq. ID	OJ000251_02.0313.C18
Gene No.	97144	Strand	-
Start	1	End	1050
Name	OJ000251_02.0313.C18.o1.ts	Method	TBLASTX:Soybean
Start	122	End	715
GI	none	Score	97
Exons	122..145, 272..307, 428..541, 449..544, 492..551, 560..715, 567..713		

Seq. No.	45880	Seq. ID	OJ000251_02.0313.C18
Gene No.	97144	Strand	-
Start	1	End	1050
Name	OJ000251_02.0313.C18.o1.tc	Method	TBLASTX:Cress
Start	452	End	715
GI	none	Score	115
Exons	452..706, 452..715, 615..713		

Seq. No.	45881	Seq. ID	OJ000251_02.0313.C19
Gene No.	97145	Strand	+
Start	1	End	1262
Name	OJ000251_02.0313.C19.o1.np	Method	AAT/NAP
Start	1	End	1262
GI	6006367	Score	76
Exons	1..29, 751..885, 1122..1262		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	45881	Seq. ID	OJ000251_02.0313.C19
Gene No.	97145	Strand	+
Start	1	End	1262
Name	OJ000251_02.0313.C19.o1.gs	Method	GENSCAN
Start	177	End	1215
GI	none	Score	.54
Exons	177..379, 1024..1215		

Seq. No.	45882	Seq. ID	OJ000251_02.0313.C20
Gene No.	97146	Strand	+
Start	1062	End	6264
Name	OJ000251_02.0313.C20.o1.gs	Method	GENSCAN
Start	1062	End	6264
GI	none	Score	.47
Exons	1062..1161, 2499..2519, 2954..3332, 3443..3541, 4143..4622,		

5294..5390, 6025..6264

Seq. No.	45882	Seq. ID	OJ000251_02.0313.C20
Gene No.	97147	Strand	-
Start	3993	End	4330
Name	OJ000251_02.0313.C20.o1.gp	Method	AAT/GAP
Start	3993	End	4330
GI	3768970	Score	596
Exons	3993..4330		

Seq. No.	45882	Seq. ID	OJ000251_02.0313.C20
Gene No.	97148	Strand	-
Start	4659	End	4931
Name	OJ000251_02.0313.C20.o2.gp	Method	AAT/GAP
Start	4659	End	4931
GI	568625	Score	490
Exons	4659..4931		

Seq. No.	45882	Seq. ID	OJ000251_02.0313.C20
Gene No.	97149	Strand	-
Start	7164	End	8834
Name	OJ000251_02.0313.C20.o1.np	Method	AAT/NAP
Start	7164	End	8834
GI	6907086	Score	1216
Exons	7164..7584, 7819..7996, 8057..8834		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	45882	Seq. ID	OJ000251_02.0313.C20
Gene No.	97149	Strand	-
Start	7164	End	8834
Name	OJ000251_02.0313.C20.o2.gs	Method	GENSCAN
Start	8082	End	8651
GI	none	Score	1
Exons	8082..8651		

Seq. No.	45883	Seq. ID	OJ000251_02.0313.C21
Gene No.	97150	Strand	+
Start	317	End	910
Name	OJ000251_02.0313.C21.o1.gs	Method	GENSCAN
Start	317	End	910
GI	none	Score	.83
Exons	317..371, 412..459, 837..910		

Seq. No.	45883	Seq. ID	OJ000251_02.0313.C21
Gene No.	97151	Strand	-
Start	1	End	385
Name	OJ000251_02.0313.C21.o1.np	Method	AAT/NAP
Start	1	End	385
GI	6907088	Score	265
Exons	1..72, 248..385		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	45883	Seq. ID	OJ000251_02.0313.C21
Gene No.	97152	Strand	-
Start	2430	End	2545
Name	OJ000251_02.0313.C21.o2.gs	Method	GENSCAN
Start	2430	End	2545

GI	none	Score	.48
Exons	2430..2545		

Seq. No.	45884	Seq. ID	OJ000251_02.0313.C22
Gene No.	97153	Strand	+
Start	27	End	569
Name	OJ000251_02.0313.C22.o1.gs	Method	GENSCAN
Start	27	End	569
GI	none	Score	.87
Exons	27..108, 469..569		

Seq. No.	45884	Seq. ID	OJ000251_02.0313.C22
Gene No.	97154	Strand	+
Start	1754	End	1904
Name	OJ000251_02.0313.C22.o1.gp	Method	AAT/GAP
Start	1754	End	1904
GI	286806	Score	244
Exons	1754..1904		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	45884	Seq. ID	OJ000251_02.0313.C22
Gene No.	97155	Strand	+
Start	4236	End	7042
Name	OJ000251_02.0313.C22.o3.gs	Method	GENSCAN
Start	4236	End	7042
GI	none	Score	.82
Exons	4236..4470, 4643..4980, 5071..5320, 5444..5609, 5993..6095, 6191..6316, 6768..7042		

Seq. No.	45884	Seq. ID	OJ000251_02.0313.C22
Gene No.	97156	Strand	-
Start	1298	End	2335
Name	OJ000251_02.0313.C22.o2.gs	Method	GENSCAN
Start	1298	End	2335
GI	none	Score	.48
Exons	1298..1426, 2189..2335		

Seq. No.	45884	Seq. ID	OJ000251_02.0313.C22
Gene No.	97157	Strand	
Start	5076	End	5523
Name	OJ000251_02.0313.C22.o1.ts	Method	TBLASTX:Soybean
Start	5076	End	5523
GI	none	Score	352
Exons	5076..5321, 5077..5322, 5443..5523		

Seq. No.	45884	Seq. ID	OJ000251_02.0313.C22
Gene No.	97158	Strand	
Start	5500	End	6566
Name	OJ000251_02.0313.C22.o1.tc	Method	TBLASTX:Cress
Start	5500	End	6292
GI	none	Score	100
Exons	5500..5610, 5996..6094, 5997..6095, 6190..6291, 6191..6292		

Seq. No.	45884	Seq. ID	OJ000251_02.0313.C22
Gene No.	97158	Strand	
Start	5500	End	6566

Name	OJ000251_02.0313.C22.o3.ts	Method	TBLASTX:Soybean
Start	5524	End	6566
GI	none	Score	90
Exons	5524..5610, 5547..5612, 5990..6094, 5991..6095, 5991..6095, 5992..6096, 6190..6288, 6191..6301, 6202..6291, 6204..6296, 6478..6564, 6480..6566, 6480..6563		

Seq. No.	45884	Seq. ID	OJ000251_02.0313.C22
Gene No.	97159	Strand	
Start	6876	End	7049
Name	OJ000251_02.0313.C22.o2.ts	Method	TBLASTX:Soybean
Start	6876	End	7049
GI	none	Score	257
Exons	6876..7049, 6878..7045, 6879..7046		

Seq. No.	45885	Seq. ID	OJ000251_02.0313.C29
Gene No.	97160	Strand	-
Start	954	End	1202
Name	OJ000251_02.0313.C29.o1.gs	Method	GENSCAN
Start	954	End	1183
GI	none	Score	.83
Exons	954..1183		

Seq. No.	45885	Seq. ID	OJ000251_02.0313.C29
Gene No.	97160	Strand	-
Start	954	End	1202
Name	OJ000251_02.0313.C29.o1.tm	Method	TBLASTX:Maize
Start	989	End	1202
GI	none	Score	75
Exons	989..1069, 990..1082, 1058..1192, 1140..1202		

Seq. No.	45886	Seq. ID	OJ000251_02.0313.C30
Gene No.	97161	Strand	-
Start	1	End	3694
Name	OJ000251_02.0313.C30.o1.np	Method	AAT/NAP
Start	1	End	3679
GI	7428717	Score	1357
Exons	1..220, 404..1453, 1550..1660, 2092..2199, 2300..2455, 3000..3108, 3175..3679		
GI Descrip.	probable kinesin - Arabidopsis thaliana gi|2244790|emb|CAB10212.1| (Z97336) kinesin like protein [Arabidopsis thaliana] gi|7268138|emb|CAB78475.1| (AL161538) kinesin like protein [Arabidopsis thaliana]		

Seq. No.	45886	Seq. ID	OJ000251_02.0313.C30
Gene No.	97161	Strand	-
Start	1	End	3694
Name	OJ000251_02.0313.C30.o1.gs	Method	GENSCAN
Start	17	End	3694
GI	none	Score	.84
Exons	17..1453, 1550..1660, 2092..2199, 2300..2455, 3014..3694		

Seq. No.	45886	Seq. ID	OJ000251_02.0313.C30
Gene No.	97162	Strand	-
Start	7362	End	7429
Name	OJ000251_02.0313.C30.o2.tm	Method	TBLASTX:Maize
Start	146	End	601

GI	none	Score	50
Exons	146..172, 195..269, 199..243, 273..392, 275..424, 276..404, 368..415, 404..490, 416..496, 417..497, 417..506, 494..598, 495..596, 506..601		

Seq. No.	45886	Seq. ID	OJ000251_02.0313.C30
Gene No.	97162	Strand	-
Start	7362	End	7429
Name	OJ000251_02.0313.C30.o1.tm	Method	TBLASTX:Maize
Start	885	End	1373
GI	none	Score	82
Exons	885..959, 899..961, 904..978, 955..981, 955..1098, 959..1105, 1053..1088, 1094..1372, 1106..1366, 1239..1373		

Seq. No.	45886	Seq. ID	OJ000251_02.0313.C30
Gene No.	97162	Strand	-
Start	7362	End	7429
Name	OJ000251_02.0313.C30.o1.ts	Method	TBLASTX:Soybean
Start	1292	End	1640
GI	none	Score	147
Exons	1292..1468, 1330..1473, 1332..1466, 1549..1632, 1549..1632, 1550..1639, 1554..1640		

Seq. No.	45886	Seq. ID	OJ000251_02.0313.C30
Gene No.	97162	Strand	-
Start	7362	End	7429
Name	OJ000251_02.0313.C30.o3.tm	Method	TBLASTX:Maize
Start	2155	End	3112
GI	none	Score	65
Exons	2155..2190, 2156..2200, 2292..2456, 2297..2458, 2297..2458, 3006..3074, 3014..3109, 3014..3112		

Seq. No.	45886	Seq. ID	OJ000251_02.0313.C30
Gene No.	97162	Strand	-
Start	7362	End	7429
Name	OJ000251_02.0313.C30.o1.gp	Method	AAT/GAP
Start	7362	End	7429
GI	LIB3477-003-P1-K1-E9	Score	96
Exons	7362..7429		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97163	Strand	+
Start	452	End	718
Name	OJ000251_02.0313.C31.o1.gp	Method	AAT/GAP
Start	452	End	718
GI	none	Score	215
Exons	452..587, 688..718		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97164	Strand	+
Start	672	End	11062
Name	OJ000251_02.0313.C31.o1.gs	Method	GENSCAN
Start	672	End	9132
GI	none	Score	.46

Exons	672..1220, 1264..1774, 1831..2174, 3723..4086, 4327..4385, 5581..7548, 7860..7897, 7993..8268, 8526..8698, 8828..9006, 9124..9132		
Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97164	Strand	+
Start	672	End	11062
Name	OJ000251_02.0313.C31.o1.np	Method	AAT/NAP
Start	672	End	4112
GI	7547106	Score	1983
Exons	672..2174, 3723..4112		
GI Descrip.	(AC022287) unknown protein [Arabidopsis thaliana]		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97164	Strand	+
Start	672	End	11062
Name	OJ000251_02.0313.C31.o2.gp	Method	AAT/GAP
Start	1434	End	1853
GI	23733_1.R1084	Score	704
Exons	1434..1853		
GI Descrip.	'3367537 1.0e-10 (AC004392) Contains similarity to ANK repeat region of Fowlpox virus BamHI-orf7 protein homolog C18F10.7 gi_485107 from Caenorhabditis elegans cosmid gb_U00049. This gene is continued from unannotated gene on BAC F19K23 gb_AC000375. [Arabid'		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97164	Strand	+
Start	672	End	11062
Name	OJ000251_02.0313.C31.o3.gp	Method	AAT/GAP
Start	3731	End	4221
GI	none	Score	904
Exons	3731..4221		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97164	Strand	+
Start	672	End	11062
Name	OJ000251_02.0313.C31.o3.np	Method	AAT/NAP
Start	4668	End	11062
GI	7485192	Score	1452
Exons	4668..4696, 6647..6879, 6949..8268, 8526..8999, 11019..11062		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244787|emb|CAB10210.1| (Z97335) hypothetical protein [Arabidopsis thaliana] gi|7268136|emb|CAB78473.1| (AL161538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97164	Strand	+
Start	672	End	11062
Name	OJ000251_02.0313.C31.o2.np	Method	AAT/NAP
Start	5439	End	5871
GI	119714	Score	68
Exons	5439..5871		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97164	Strand	+
Start	672	End	11062
Name	OJ000251_02.0313.C31.o6.gp	Method	AAT/GAP
Start	5561	End	5997
GI	none	Score	851
Exons	5561..5997		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97164	Strand	+
Start	672	End	11062
Name	OJ000251_02.0313.C31.o7.gp	Method	AAT/GAP
Start	8198	End	9229
GI	22066_1.R1084	Score	1220
Exons	8198..8268, 8526..9229		
GI Descrip.	'2244787/emb|CAB10210.1| 1.0e-44 (Z97335) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97164	Strand	+
Start	672	End	11062
Name	OJ000251_02.0313.C31.o8.gp	Method	AAT/GAP
Start	8524	End	9227
GI	22066_1.R1084	Score	1113
Exons	8524..9227		
GI Descrip.	'2244787/emb|CAB10210.1| 1.0e-44 (Z97335) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97165	Strand	-
Start	4239	End	4475
Name	OJ000251_02.0313.C31.o4.gp	Method	AAT/GAP
Start	4239	End	4475
GI	1854261	Score	440
Exons	4239..4475		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o1.ts	Method	TBLASTX:Soybean
Start	678	End	1254
GI	none	Score	484
Exons	678..1130, 785..1129, 1136..1252, 1138..1254		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o8.tm	Method	TBLASTX:Maize
Start	954	End	1136
GI	none	Score	305
Exons	954..1133, 954..1136		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o2.tc	Method	TBLASTX:Cress

Start	1035	End	1440
GI	none	Score	149
Exons	1035..1130, 1046..1129, 1136..1252, 1138..1254, 1255..1302, 1338..1439, 1339..1440		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o2.tm	Method	TBLASTX:Maize
Start	1162	End	1749
GI	none	Score	140
Exons	1162..1254, 1163..1252, 1250..1378, 1252..1749, 1255..1749		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o2.tw	Method	TBLASTX:Wheat
Start	1210	End	1458
GI	none	Score	69
Exons	1210..1254, 1211..1252, 1240..1458, 1241..1456, 1255..1458		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o3.ts	Method	TBLASTX:Soybean
Start	1335	End	1659
GI	none	Score	355
Exons	1335..1610, 1336..1659, 1420..1641		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o4.ts	Method	TBLASTX:Soybean
Start	1675	End	4032
GI	none	Score	82
Exons	1675..1749, 1816..1863, 1998..2177, 1998..2174, 2000..2182, 3725..3916, 3771..3932, 3894..3998, 3940..4032, 3942..4028		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o4.tm	Method	TBLASTX:Maize
Start	1749	End	4493
GI	none	Score	127
Exons	1749..1889, 1750..1896, 1790..1891, 1906..2112, 1971..2180, 1998..2177, 3722..3886, 3722..4072, 3732..4127, 3771..3998, 4092..4130, 4268..4294, 4269..4292, 4299..4370, 4305..4430, 4348..4383, 4409..4486, 4411..4485, 4445..4489, 4446..4493, 4446..4493		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o4.tc	Method	TBLASTX:Cress
Start	1993	End	2198
GI	none	Score	64
Exons	1993..2067, 1994..2038, 2001..2198		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o6.tm	Method	TBLASTX:Maize
Start	7138	End	7452
GI	none	Score	322
Exons	7138..7452, 7150..7347, 7152..7451		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o10.tm	Method	TBLASTX:Maize
Start	7754	End	7930
GI	none	Score	209
Exons	7754..7930, 7756..7923		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o7.tm	Method	TBLASTX:Maize
Start	8050	End	8676
GI	none	Score	234
Exons	8050..8196, 8051..8206, 8190..8267, 8195..8269, 8200..8268, 8511..8669, 8523..8675, 8524..8676		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o3.tm	Method	TBLASTX:Maize
Start	8676	End	9079
GI	none	Score	527
Exons	8676..9050, 8677..9051, 8690..9079		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o1.tm	Method	TBLASTX:Maize
Start	9395	End	11618
GI	none	Score	71
Exons	9395..9439, 9501..9521, 9562..9654, 9566..9628, 9664..9765, 9674..9760, 9675..9764, 9845..9910, 9846..9983, 9846..9983, 9851..9985, 10050..10352, 10060..10347, 10062..10349, 10066..10377, 10408..10551, 10412..10585, 10432..10587, 10664..10720, 10674..10718, 10778..10906, 10786..10914, 10993..11121, 10994..11122, 11002..11124, 11004..11153, 11004..11138, 11137..11241, 11141..11245, 11141..11242, 11167..11268, 11495..11596, 11497..11616, 11500..11595, 11571..11618		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o2.ts	Method	TBLASTX:Soybean
Start	9657	End	10290
GI	none	Score	109
Exons	9657..9764, 9673..9765, 9698..9787, 9846..9956, 9846..9983,		

10050..10286, 10063..10290

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o4.np	Method	AAT/NAP
Start	9675	End	14436
GI	6524189	Score	1089
Exons	9675..9762, 9847..9983, 10065..10346, 10432..10584, 10673..10717, 10801..10905, 10996..11252, 11475..11615, 11721..11850, 11982..12047, 12390..12440, 13108..13316, 13347..13551, 13730..13921, 14032..14436		
GI Descrip.	(AC011914) putative receptor protein [Arabidopsis thaliana]		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o1.tc	Method	TBLASTX:Cress
Start	9678	End	10179
GI	none	Score	123
Exons	9678..9764, 9679..9765, 9829..9870, 9846..9980, 10050..10178, 10054..10179		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o9.gp	Method	AAT/GAP
Start	9884	End	11070
GI	23441_1.R1084	Score	1400
Exons	9884..9983, 10065..10346, 10432..10584, 10673..10717, 10801..10905, 10996..11070		
GI Descrip.	'5734704/gb|AAD49969.1|AC008075_2 4.0e-27 (AC008075) Contains similarity to gb_AF114753 polytropic murine leukamia virus receptor SYG1 from Mus musculus. EST gb_N96331 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o2.gs	Method	GENSCAN
Start	10011	End	12458
GI	none	Score	.75
Exons	10011..10031, 10065..10346, 10432..10584, 10673..10717, 10801..10905, 10996..11239, 11495..11615, 11972..12056, 12396..12458		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o1.tw	Method	TBLASTX:Wheat
Start	10143	End	10588
GI	none	Score	184
Exons	10143..10319, 10143..10325, 10144..10326, 10323..10355, 10323..10352, 10432..10545, 10433..10543, 10433..10588, 10440..10547		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31

Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o3.tc	Method	TBLASTX:Cress
Start	10275	End	10894
GI	none	Score	38
Exons	10275..10310, 10276..10299, 10412..10585, 10432..10587, 10664..10720, 10664..10720, 10778..10894, 10786..10893		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o5.np	Method	AAT/NAP
Start	10959	End	14436
GI	6524189	Score	406
Exons	10959..11252, 11475..11615, 11721..11850, 11982..12047, 12390..12440, 13108..13316, 13347..13551, 13730..13921, 14032..14436		
GI Descrip.	(AC011914) putative receptor protein [Arabidopsis thaliana]		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o5.tc	Method	TBLASTX:Cress
Start	11035	End	11245
GI	none	Score	134
Exons	11035..11241, 11036..11245		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o10.gp	Method	AAT/GAP
Start	11457	End	13182
GI	702430	Score	762
Exons	11457..11615, 11721..11850, 11982..12056, 12396..12444, 13112..13182		
GI Descrip.	5734704/gb|AAD49969.1|AC008075_2 4.0e-27 (AC008075) Contains similarity to gb_AF114753 polytropic murine leukamia virus receptor SYG1 from Mus musculus. EST gb_N96331 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o9.tm	Method	TBLASTX:Maize
Start	11701	End	12059
GI	none	Score	158
Exons	11701..11862, 11714..11878, 11720..11824, 11952..12059, 11980..12057		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o3.gs	Method	GENSCAN
Start	13063	End	21510
GI	none	Score	.68
Exons	13063..13511, 13630..13921, 14164..14544, 21208..21285, 21391..21510		

Seq. No.	45887	Seq. ID	OJ000251_02.0313.C31
Gene No.	97166	Strand	-
Start	10011	End	21510
Name	OJ000251_02.0313.C31.o5.tm	Method	TBLASTX:Maize
Start	13150	End	13515
GI	none	Score	239
Exons	13150..13332, 13154..13327, 13411..13515		

Seq. No.	45888	Seq. ID	OJ000251_02.0313.C38
Gene No.	97167	Strand	+
Start	946	End	3052
Name	OJ000251_02.0313.C38.o1.np	Method	AAT/NAP
Start	946	End	3052
GI	7485509	Score	93
Exons	946..1028, 3019..3052		
GI Descrip.	hypothetical protein F15B8.40 - Arabidopsis thaliana gi|4678270|emb|CAB41178.1| (AL049660) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	45888	Seq. ID	OJ000251_02.0313.C38
Gene No.	97167	Strand	+
Start	946	End	3052
Name	OJ000251_02.0313.C38.o2.np	Method	AAT/NAP
Start	2572	End	2981
GI	399316	Score	78
Exons	2572..2981		
GI Descrip.	ADENYLATE CYCLASE, TYPE V (ATP PYROPHOSPHATE-LYASE) (CA(2+)-INHIBITABLE ADENYLYL CYCLASE) gi|284522|pir||A42904 adenylylcyclase type V - dog		

Seq. No.	45888	Seq. ID	OJ000251_02.0313.C38
Gene No.	97168	Strand	-
Start	129	End	561
Name	OJ000251_02.0313.C38.o1.gs	Method	GENSCAN
Start	129	End	561
GI	none	Score	.47
Exons	129..561		

Seq. No.	45888	Seq. ID	OJ000251_02.0313.C38
Gene No.	97169	Strand	-
Start	2618	End	4913
Name	OJ000251_02.0313.C38.o1.tm	Method	TBLASTX:Maize
Start	804	End	4913
GI	none	Score	220
Exons	804..1001, 806..1000, 4783..4845, 4784..4837, 4817..4909, 4830..4913, 4836..4910		

Seq. No.	45888	Seq. ID	OJ000251_02.0313.C38
Gene No.	97169	Strand	-
Start	2618	End	4913
Name	OJ000251_02.0313.C38.o1.ts	Method	TBLASTX:Soybean
Start	813	End	4889
GI	none	Score	118
Exons	813..932, 826..936, 830..934, 880..996, 911..997, 4783..4836, 4836..4889		

Seq. No.	45888	Seq. ID	OJ000251_02.0313.C38
Gene No.	97169	Strand	-
Start	2618	End	4913
Name	OJ000251_02.0313.C38.o2.gs	Method	GENSCAN
Start	2618	End	3046
GI	none	Score	.76
Exons	2618..3046		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97170	Strand	+
Start	1	End	3804
Name	OJ000251_02.0313.C39.o1.np	Method	AAT/NAP
Start	1	End	3804
GI	6069646	Score	1098
Exons	1..64, 1254..2041, 2324..3239, 3740..3804		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97170	Strand	+
Start	1	End	3804
Name	OJ000251_02.0313.C39.o1.gs	Method	GENSCAN
Start	965	End	2875
GI	none	Score	.53
Exons	965..1534, 1691..2875		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97171	Strand	-
Start	3615	End	8523
Name	OJ000251_02.0313.C39.o7.tm	Method	TBLASTX:Maize
Start	211	End	450
GI	none	Score	129
Exons	211..348, 352..450		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97171	Strand	-
Start	3615	End	8523
Name	OJ000251_02.0313.C39.o4.tw	Method	TBLASTX:Wheat
Start	286	End	675
GI	none	Score	198
Exons	286..675, 471..599		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97171	Strand	-
Start	3615	End	8523
Name	OJ000251_02.0313.C39.o6.tm	Method	TBLASTX:Maize
Start	719	End	1105
GI	none	Score	71
Exons	719..808, 866..1105, 871..987		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97171	Strand	-
Start	3615	End	8523
Name	OJ000251_02.0313.C39.o3.tm	Method	TBLASTX:Maize

Start	1165	End	1576
GI	none	Score	44
Exons	1165..1191, 1166..1201, 1189..1239, 1228..1422, 1232..1486, 1475..1576, 1495..1536		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97171	Strand	-
Start	3615	End	8523
Name	OJ000251_02.0313.C39.o2.tm	Method	TBLASTX:Maize
Start	1577	End	2263
GI	none	Score	460
Exons	1577..2263, 1612..1785, 1895..2158, 2227..2262		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97171	Strand	-
Start	3615	End	8523
Name	OJ000251_02.0313.C39.o2.tw	Method	TBLASTX:Wheat
Start	1904	End	2344
GI	none	Score	242
Exons	1904..2209, 1906..2205, 2221..2343, 2222..2344		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97171	Strand	-
Start	3615	End	8523
Name	OJ000251_02.0313.C39.o5.tm	Method	TBLASTX:Maize
Start	2320	End	2614
GI	none	Score	193
Exons	2320..2499, 2321..2500, 2513..2614		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97171	Strand	-
Start	3615	End	8523
Name	OJ000251_02.0313.C39.o4.tm	Method	TBLASTX:Maize
Start	2702	End	3232
GI	none	Score	84
Exons	2702..2806, 2831..3067, 2833..3060, 3041..3232		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97171	Strand	-
Start	3615	End	8523
Name	OJ000251_02.0313.C39.o2.np	Method	AAT/NAP
Start	3611	End	8499
GI	4826399	Score	1043
Exons	3611..4795, 4904..5070, 7587..8499		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97171	Strand	-
Start	3615	End	8523
Name	OJ000251_02.0313.C39.o2.gs	Method	GENSCAN
Start	3615	End	8523
GI	none	Score	.87
Exons	3615..4741, 7587..8523		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97171	Strand	-
Start	3615	End	8523

Name	OJ000251_02.0313.C39.o1.tm	Method	TBLASTX:Maize
Start	3741	End	4734
GI	none	Score	71
Exons	3741..4703, 3742..3855, 3744..4469, 4333..4524, 4572..4733, 4588..4620, 4666..4734		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97171	Strand	-
Start	3615	End	8523
Name	OJ000251_02.0313.C39.o1.tc	Method	TBLASTX:Cress
Start	3768	End	8481
GI	none	Score	77
Exons	3768..4712, 3769..3996, 3771..4049, 4066..4302, 4330..4518, 4581..4769, 4597..4806, 7588..7686, 7744..7791, 8350..8481		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97171	Strand	-
Start	3615	End	8523
Name	OJ000251_02.0313.C39.o1.ts	Method	TBLASTX:Soybean
Start	3927	End	4718
GI	none	Score	80
Exons	3927..4511, 3933..4109, 4066..4500, 4494..4718, 4653..4718		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97171	Strand	-
Start	3615	End	8523
Name	OJ000251_02.0313.C39.o3.tw	Method	TBLASTX:Wheat
Start	4002	End	4253
GI	none	Score	49
Exons	4002..4121, 4066..4116, 4122..4253, 4123..4251		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97171	Strand	-
Start	3615	End	8523
Name	OJ000251_02.0313.C39.o1.tw	Method	TBLASTX:Wheat
Start	4254	End	4616
GI	none	Score	147
Exons	4254..4616, 4264..4521		

Seq. No.	45889	Seq. ID	OJ000251_02.0313.C39
Gene No.	97171	Strand	-
Start	3615	End	8523
Name	OJ000251_02.0313.C39.o1.gp	Method	AAT/GAP
Start	7311	End	7387
GI	90742_1.R1084	Score	96
Exons	7311..7387		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2
Gene No.	97172	Strand	+
Start	8725	End	12731
Name	OJ000211_06.0306.C2.o2.gs	Method	GENSCAN
Start	8725	End	12691
GI	none	Score	.65
Exons	8725..8823, 9019..9174, 10324..10435, 10473..11554, 12370..12691		

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2
Gene No.	97172	Strand	+
Start	8725	End	12731
Name	OJ000211_06.0306.C2.o5.np	Method	AAT/NAP
Start	10382	End	12731
GI	6539581	Score	715
Exons	10382..10655, 10761..11032, 11141..11554, 11891..12731		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2
Gene No.	97173	Strand	-
Start	1882	End	5743
Name	OJ000211_06.0306.C2.o3.np	Method	AAT/NAP
Start	582	End	5743
GI	6272381	Score	88
Exons	582..608, 4322..4747, 4790..5053, 5708..5743		
GI Descrip.	(AC007918) Similar to gi|4325351 T25H8.2 TNP2 protein homolog from Arabidopsis thaliana BAC gb|AF128394.		

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2
Gene No.	97173	Strand	-
Start	1882	End	5743
Name	OJ000211_06.0306.C2.o1.gp	Method	AAT/GAP
Start	1038	End	1419
GI	uC-osf1cyp033a04b1	Score	631
Exons	1038..1419		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2
Gene No.	97173	Strand	-
Start	1882	End	5743
Name	OJ000211_06.0306.C2.o1.gs	Method	GENSCAN
Start	1882	End	4933
GI	none	Score	.56
Exons	1882..1986, 2525..3137, 4578..4933		

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2
Gene No.	97173	Strand	-
Start	1882	End	5743
Name	OJ000211_06.0306.C2.o1.np	Method	AAT/NAP
Start	1885	End	3618
GI	6907087	Score	876
Exons	1885..1986, 2525..3204, 3249..3618		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2
Gene No.	97173	Strand	-
Start	1882	End	5743
Name	OJ000211_06.0306.C2.o2.np	Method	AAT/NAP
Start	4262	End	4933
GI	4558686	Score	215
Exons	4262..4933		
GI Descrip.	(AC006586) putative TNP2-like transposon protein [Arabidopsis		

thaliana]

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2
Gene No.	97174	Strand	-
Start	7507	End	8349
Name	OJ000211_06.0306.C2.o3.tm	Method	TBLASTX:Maize
Start	1	End	186
GI	none	Score	128
Exons	1..186, 3..158		

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2
Gene No.	97174	Strand	-
Start	7507	End	8349
Name	OJ000211_06.0306.C2.o1.tc	Method	TBLASTX:Cress
Start	3	End	269
GI	none	Score	205
Exons	3..269		

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2
Gene No.	97174	Strand	-
Start	7507	End	8349
Name	OJ000211_06.0306.C2.o3.ts	Method	TBLASTX:Soybean
Start	9	End	248
GI	none	Score	106
Exons	9..248, 18..191		

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2
Gene No.	97174	Strand	-
Start	7507	End	8349
Name	OJ000211_06.0306.C2.o2.tw	Method	TBLASTX:Wheat
Start	24	End	4609
GI	none	Score	71
Exons	24..152, 143..244, 144..263, 150..269, 163..267, 4317..4553, 4322..4609		

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2
Gene No.	97174	Strand	-
Start	7507	End	8349
Name	OJ000211_06.0306.C2.o1.ts	Method	TBLASTX:Soybean
Start	4322	End	4597
GI	none	Score	104
Exons	4322..4597, 4326..4574		

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2
Gene No.	97174	Strand	-
Start	7507	End	8349
Name	OJ000211_06.0306.C2.o4.np	Method	AAT/NAP
Start	7507	End	8349
GI	6069646	Score	280
Exons	7507..8349		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2

Gene No.	97174	Strand	-
Start	7507	End	8349
Name	OJ000211_06.0306.C2.o1.tm	Method	TBLASTX:Maize
Start	7612	End	8097
GI	none	Score	107
Exons	7612..7680, 7788..7985, 7792..8097, 7793..8017		

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2
Gene No.	97175	Strand	
Start	11201	End	12394
Name	OJ000211_06.0306.C2.o1.tw	Method	TBLASTX:Wheat
Start	11201	End	11521
GI	none	Score	308
Exons	11201..11521, 11246..11521		

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2
Gene No.	97175	Strand	
Start	11201	End	12394
Name	OJ000211_06.0306.C2.o2.ts	Method	TBLASTX:Soybean
Start	11413	End	12295
GI	none	Score	135
Exons	11413..11541, 11414..11551, 11414..11545, 11885..12295, 11885..11953, 11993..12181		

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2
Gene No.	97175	Strand	
Start	11201	End	12394
Name	OJ000211_06.0306.C2.o2.tm	Method	TBLASTX:Maize
Start	11456	End	12394
GI	none	Score	67
Exons	11456..11545, 11885..12118, 11893..12099, 12155..12394		

Seq. No.	45890	Seq. ID	OJ000211_06.0306.C2
Gene No.	97175	Strand	
Start	11201	End	12394
Name	OJ000211_06.0306.C2.o3.tw	Method	TBLASTX:Wheat
Start	11918	End	12355
GI	none	Score	156
Exons	11918..12100, 12173..12355		

Seq. No.	45891	Seq. ID	OJ000211_06.0306.C3
Gene No.	97176	Strand	+
Start	54	End	335
Name	OJ000211_06.0306.C3.o1.gs	Method	GENSCAN
Start	54	End	335
GI	none	Score	.99
Exons	54..335		

Seq. No.	45891	Seq. ID	OJ000211_06.0306.C3
Gene No.	97177	Strand	-
Start	347	End	540
Name	OJ000211_06.0306.C3.o1.gp	Method	AAT/GAP
Start	347	End	540
GI	none	Score	317
Exons	347..540		

Seq. No.	45891	Seq. ID	OJ000211_06.0306.C3

Gene No.	97178	Strand	-
Start	1076	End	1671
Name	OJ000211_06.0306.C3.o2.gs	Method	GENSCAN
Start	1076	End	1671
GI	none	Score	.76
Exons	1076..1234, 1573..1671		

Seq. No.	45892	Seq. ID	OJ000211_06.0306.C4
Gene No.	97179	Strand	+
Start	4	End	156
Name	OJ000211_06.0306.C4.o1.gs	Method	GENSCAN
Start	4	End	156
GI	none	Score	1
Exons	4..156		

Seq. No.	45892	Seq. ID	OJ000211_06.0306.C4
Gene No.	97180	Strand	+
Start	4478	End	4785
Name	OJ000211_06.0306.C4.o1.gp	Method	AAT/GAP
Start	4478	End	4785
GI	72524_1.R1084	Score	435
Exons	4478..4785		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	45892	Seq. ID	OJ000211_06.0306.C4
Gene No.	97181	Strand	-
Start	406	End	6489
Name	OJ000211_06.0306.C4.o2.gs	Method	GENSCAN
Start	406	End	6489
GI	none	Score	.43
Exons	406..561, 877..1008, 1396..1623, 3396..3465, 4298..4391, 6142..6249, 6255..6489		

Seq. No.	45892	Seq. ID	OJ000211_06.0306.C4
Gene No.	97182	Strand	-
Start	6848	End	10680
Name	OJ000211_06.0306.C4.o3.gs	Method	GENSCAN
Start	6848	End	10680
GI	none	Score	.7
Exons	6848..7110, 7115..7213, 7330..7510, 7533..8181, 8817..9345, 9483..9764, 9927..9986, 10343..10491, 10553..10680		

Seq. No.	45892	Seq. ID	OJ000211_06.0306.C4
Gene No.	97182	Strand	-
Start	6848	End	10680
Name	OJ000211_06.0306.C4.o1.np	Method	AAT/NAP
Start	6902	End	10119
GI	7106512	Score	2520
Exons	6902..7275, 7330..8378, 8560..9752, 9871..9986, 10059..10119		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	45892	Seq. ID	OJ000211_06.0306.C4
Gene No.	97182	Strand	-
Start	6848	End	10680
Name	OJ000211_06.0306.C4.o2.gp	Method	AAT/GAP

Start	10072	End	10440
GI	72524_1.R1084	Score	441
Exons	10072..10440		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	45892	Seq. ID	OJ000211_06.0306.C4
Gene No.	97183	Strand	-
Start	10706	End	10853
Name	OJ000211_06.0306.C4.o3.gp	Method	AAT/GAP
Start	10706	End	10853
GI	uC-osflcyp177g01a1	Score	238
Exons	10706..10853		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97184	Strand	+
Start	1	End	1762
Name	OJ000211_06.0306.C5.o1.np	Method	AAT/NAP
Start	1	End	1759
GI	6691716	Score	932
Exons	1..77, 159..426, 603..797, 874..977, 1128..1240, 1314..1759		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97184	Strand	+
Start	1	End	1762
Name	OJ000211_06.0306.C5.o1.gs	Method	GENSCAN
Start	125	End	1762
GI	none	Score	.71
Exons	125..535, 610..810, 950..1063, 1136..1240, 1314..1762		

Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97185	Strand	-
Start	2078	End	5192
Name	OJ000211_06.0306.C5.o2.gs	Method	GENSCAN
Start	2078	End	5192
GI	none	Score	.43
Exons	2078..4885, 5116..5192		

Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97185	Strand	-
Start	2078	End	5192
Name	OJ000211_06.0306.C5.o2.np	Method	AAT/NAP
Start	2081	End	4926
GI	5902445	Score	4894
Exons	2081..4926		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97185	Strand	-
Start	2078	End	5192
Name	OJ000211_06.0306.C5.o5.tw	Method	TBLASTX:Wheat
Start	2090	End	2704

GI	none	Score	80
Exons	2090..2227, 2213..2371, 2426..2704, 2442..2543, 2595..2684		

Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97185	Strand	-
Start	2078	End	5192
Name	OJ000211_06.0306.C5.o3.tm	Method	TBLASTX:Maize
Start	2129	End	2362
GI	none	Score	100
Exons	2129..2230, 2130..2231, 2210..2362, 2211..2270		

Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97185	Strand	-
Start	2078	End	5192
Name	OJ000211_06.0306.C5.o6.tm	Method	TBLASTX:Maize
Start	2474	End	2747
GI	none	Score	59
Exons	2474..2560, 2570..2653, 2583..2657, 2640..2747, 2648..2746		

Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97185	Strand	-
Start	2078	End	5192
Name	OJ000211_06.0306.C5.o3.tw	Method	TBLASTX:Wheat
Start	2819	End	3206
GI	none	Score	101
Exons	2819..3010, 2819..3205, 2895..3206		

Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97185	Strand	-
Start	2078	End	5192
Name	OJ000211_06.0306.C5.o1.tm	Method	TBLASTX:Maize
Start	2849	End	3212
GI	none	Score	67
Exons	2849..2896, 2850..2897, 2868..3191, 2888..3211, 2901..3212		

Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97185	Strand	-
Start	2078	End	5192
Name	OJ000211_06.0306.C5.o6.tw	Method	TBLASTX:Wheat
Start	3209	End	3508
GI	none	Score	131
Exons	3209..3340, 3374..3508		

Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97185	Strand	-
Start	2078	End	5192
Name	OJ000211_06.0306.C5.o5.tm	Method	TBLASTX:Maize
Start	3440	End	3694
GI	none	Score	60
Exons	3440..3694, 3579..3686		

Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97185	Strand	-
Start	2078	End	5192
Name	OJ000211_06.0306.C5.o4.tw	Method	TBLASTX:Wheat
Start	3524	End	3946
GI	none	Score	269

Exons	3524..3946, 3534..3938		
Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97185	Strand	-
Start	2078	End	5192
Name	OJ000211_06.0306.C5.o2.ts	Method	TBLASTX:Soybean
Start	3567	End	3955
GI	none	Score	161
Exons	3567..3947, 3569..3811, 3851..3955		
Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97185	Strand	-
Start	2078	End	5192
Name	OJ000211_06.0306.C5.o2.tw	Method	TBLASTX:Wheat
Start	3983	End	4412
GI	none	Score	163
Exons	3983..4411, 3984..4412		
Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97185	Strand	-
Start	2078	End	5192
Name	OJ000211_06.0306.C5.o1.ts	Method	TBLASTX:Soybean
Start	4181	End	4582
GI	none	Score	43
Exons	4181..4582, 4215..4385, 4422..4565		
Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97185	Strand	-
Start	2078	End	5192
Name	OJ000211_06.0306.C5.o2.tm	Method	TBLASTX:Maize
Start	4334	End	4717
GI	none	Score	165
Exons	4334..4717, 4335..4613		
Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97185	Strand	-
Start	2078	End	5192
Name	OJ000211_06.0306.C5.o1.tw	Method	TBLASTX:Wheat
Start	4457	End	4876
GI	none	Score	237
Exons	4457..4876, 4458..4874, 4661..4876		
Seq. No.	45893	Seq. ID	OJ000211_06.0306.C5
Gene No.	97185	Strand	-
Start	2078	End	5192
Name	OJ000211_06.0306.C5.o4.tm	Method	TBLASTX:Maize
Start	4745	End	4925
GI	none	Score	115
Exons	4745..4924, 4755..4925		
Seq. No.	45894	Seq. ID	OJ000211_06.0306.C6
Gene No.	97186	Strand	+
Start	784	End	7716
Name	OJ000211_06.0306.C6.o1.np	Method	AAT/NAP
Start	784	End	7716
GI	5852180	Score	647
Exons	784..810, 5343..5398, 6394..6511, 6563..6973, 7678..7716		

GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No.	45894	Seq. ID	OJ000211_06.0306.C6
Gene No.	97187	Strand	-
Start	371	End	1364
Name	OJ000211_06.0306.C6.o1.gs	Method	GENSCAN
Start	371	End	1364
GI	none	Score	.65
Exons	371..600, 1139..1364		

Seq. No.	45894	Seq. ID	OJ000211_06.0306.C6
Gene No.	97188	Strand	-
Start	2349	End	11557
Name	OJ000211_06.0306.C6.o2.gs	Method	GENSCAN
Start	2349	End	11557
GI	none	Score	.45
Exons	2349..2504, 2613..3986, 4731..4807, 5851..5909, 6416..7345, 7751..7954, 8051..10975, 11481..11557		

Seq. No.	45894	Seq. ID	OJ000211_06.0306.C6
Gene No.	97188	Strand	-
Start	2349	End	11557
Name	OJ000211_06.0306.C6.o1.tw	Method	TBLASTX:Wheat
Start	7709	End	8061
GI	none	Score	226
Exons	7709..7906, 7717..8061, 7718..8047, 7723..8055		

Seq. No.	45894	Seq. ID	OJ000211_06.0306.C6
Gene No.	97188	Strand	-
Start	2349	End	11557
Name	OJ000211_06.0306.C6.o1.tm	Method	TBLASTX:Maize
Start	7720	End	8058
GI	none	Score	68
Exons	7720..7956, 7969..8058		

Seq. No.	45894	Seq. ID	OJ000211_06.0306.C6
Gene No.	97188	Strand	-
Start	2349	End	11557
Name	OJ000211_06.0306.C6.o2.np	Method	AAT/NAP
Start	8038	End	10971
GI	5902444	Score	4926
Exons	8038..10971		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	45894	Seq. ID	OJ000211_06.0306.C6
Gene No.	97188	Strand	-
Start	2349	End	11557
Name	OJ000211_06.0306.C6.o2.tw	Method	TBLASTX:Wheat
Start	8234	End	8703
GI	none	Score	144
Exons	8234..8467, 8246..8482, 8248..8478, 8527..8640, 8527..8703		

Seq. No.	45894	Seq. ID	OJ000211_06.0306.C6
Gene No.	97188	Strand	-
Start	2349	End	11557
Name	OJ000211_06.0306.C6.o3.tw	Method	TBLASTX:Wheat
Start	9280	End	9682

GI	none	Score	117
Exons	9280..9681, 9413..9682		

Seq. No.	45895	Seq. ID	OJ000211_06.0306.C7
Gene No.	97189	Strand	+
Start	3850	End	5379
Name	OJ000211_06.0306.C7.o3.gs	Method	GENSCAN
Start	3850	End	5379
GI	none	Score	.73
Exons	3850..3864, 4305..4520, 4812..4919, 5323..5379		

Seq. No.	45895	Seq. ID	OJ000211_06.0306.C7
Gene No.	97190	Strand	-
Start	106	End	633
Name	OJ000211_06.0306.C7.o1.gs	Method	GENSCAN
Start	106	End	633
GI	none	Score	.57
Exons	106..230, 417..514, 572..633		

Seq. No.	45895	Seq. ID	OJ000211_06.0306.C7
Gene No.	97191	Strand	-
Start	1038	End	6074
Name	OJ000211_06.0306.C7.o1.np	Method	AAT/NAP
Start	1038	End	6074
GI	6069646	Score	209
Exons	1038..1113, 1414..1793, 6040..6074		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	45895	Seq. ID	OJ000211_06.0306.C7
Gene No.	97191	Strand	-
Start	1038	End	6074
Name	OJ000211_06.0306.C7.o1.tw	Method	TBLASTX:Wheat
Start	1086	End	1527
GI	none	Score	76
Exons	1086..1142, 1227..1376, 1241..1378, 1253..1384, 1389..1526, 1417..1527		

Seq. No.	45895	Seq. ID	OJ000211_06.0306.C7
Gene No.	97191	Strand	-
Start	1038	End	6074
Name	OJ000211_06.0306.C7.o1.tm	Method	TBLASTX:Maize
Start	1184	End	1766
GI	none	Score	60
Exons	1184..1375, 1184..1375, 1383..1766, 1432..1485		

Seq. No.	45895	Seq. ID	OJ000211_06.0306.C7
Gene No.	97191	Strand	-
Start	1038	End	6074
Name	OJ000211_06.0306.C7.o2.gs	Method	GENSCAN
Start	1461	End	1958
GI	none	Score	.93
Exons	1461..1723, 1780..1888, 1908..1958		

Seq. No.	45895	Seq. ID	OJ000211_06.0306.C7
Gene No.	97191	Strand	-
Start	1038	End	6074
Name	OJ000211_06.0306.C7.o2.np	Method	AAT/NAP
Start	4137	End	6074
GI	7228442	Score	241
Exons	4137..4218, 5278..5834, 5925..6074		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	45895	Seq. ID	OJ000211_06.0306.C7
Gene No.	97191	Strand	-
Start	1038	End	6074
Name	OJ000211_06.0306.C7.o2.tw	Method	TBLASTX:Wheat
Start	5859	End	6070
GI	none	Score	104
Exons	5859..5978, 5884..5976, 5999..6070		

Seq. No.	45896	Seq. ID	OJ000211_06.0306.C9
Gene No.	97192	Strand	+
Start	187	End	1480
Name	OJ000211_06.0306.C9.o1.gs	Method	GENSCAN
Start	187	End	1480
GI	none	Score	.43
Exons	187..267, 1355..1480		

Seq. No.	45896	Seq. ID	OJ000211_06.0306.C9
Gene No.	97193	Strand	-
Start	614	End	3191
Name	OJ000211_06.0306.C9.o1.np	Method	AAT/NAP
Start	614	End	3191
GI	6063554	Score	337
Exons	614..788, 1424..1452, 2536..3191		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	45896	Seq. ID	OJ000211_06.0306.C9
Gene No.	97193	Strand	-
Start	614	End	3191
Name	OJ000211_06.0306.C9.o2.gs	Method	GENSCAN
Start	2230	End	2828
GI	none	Score	.77
Exons	2230..2337, 2536..2828		

Seq. No.	45897	Seq. ID	OJ000211_06.0306.C13
Gene No.	97194	Strand	+
Start	66	End	832
Name	OJ000211_06.0306.C13.o1.gs	Method	GENSCAN
Start	66	End	832
GI	none	Score	.86
Exons	66..250, 293..431, 589..713, 754..832		

Seq. No.	45897	Seq. ID	OJ000211_06.0306.C13
Gene No.	97195	Strand	+
Start	2248	End	2813

Name	OJ000211_06.0306.C13.o1.gp	Method	AAT/GAP
Start	2248	End	2813
GI	uC-osflcyp088b12b1	Score	156
Exons	2248..2356, 2789..2813		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	45897	Seq. ID	OJ000211_06.0306.C13
Gene No.	97196	Strand	-
Start	1	End	1681
Name	OJ000211_06.0306.C13.o1.np	Method	AAT/NAP
Start	1	End	1681
GI	5295955	Score	273
Exons	1..72, 285..622, 663..815, 1560..1681		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	45897	Seq. ID	OJ000211_06.0306.C13
Gene No.	97197	Strand	-
Start	1771	End	5154
Name	OJ000211_06.0306.C13.o2.gs	Method	GENSCAN
Start	1771	End	5154
GI	none	Score	.57
Exons	1771..1984, 2131..2240, 2521..2602, 2686..3599, 3606..4069, 4122..4234, 4279..4829, 4915..5154		

Seq. No.	45898	Seq. ID	OJ000211_06.0306.C14
Gene No.	97198	Strand	-
Start	1041	End	2495
Name	OJ000211_06.0306.C14.o1.tw	Method	TBLASTX:Wheat
Start	670	End	1879
GI	none	Score	65
Exons	670..738, 745..810, 746..829, 863..967, 881..937, 956..1111, 972..1118, 1124..1879, 1350..1634		

Seq. No.	45898	Seq. ID	OJ000211_06.0306.C14
Gene No.	97198	Strand	-
Start	1041	End	2495
Name	OJ000211_06.0306.C14.o2.tm	Method	TBLASTX:Maize
Start	975	End	1270
GI	none	Score	75
Exons	975..1088, 983..1096, 1100..1270		

Seq. No.	45898	Seq. ID	OJ000211_06.0306.C14
Gene No.	97198	Strand	-
Start	1041	End	2495
Name	OJ000211_06.0306.C14.o1.np	Method	AAT/NAP
Start	1041	End	2495
GI	6742729	Score	840
Exons	1041..2254, 2327..2495		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	45898	Seq. ID	OJ000211_06.0306.C14
Gene No.	97198	Strand	-
Start	1041	End	2495
Name	OJ000211_06.0306.C14.o1.tc	Method	TBLASTX:Cress
Start	1166	End	1589

GI	none	Score	102
Exons	1166..1579, 1350..1589		

Seq. No.	45898	Seq. ID	OJ000211_06.0306.C14
Gene No.	97198	Strand	-
Start	1041	End	2495
Name	OJ000211_06.0306.C14.o1.tm	Method	TBLASTX:Maize
Start	1520	End	1903
GI	none	Score	294
Exons	1520..1834, 1524..1835, 1835..1903		

Seq. No.	45899	Seq. ID	OJ000211_06.0306.C15
Gene No.	97199	Strand	+
Start	8899	End	12181
Name	OJ000211_06.0306.C15.o3.gs	Method	GENSCAN
Start	8899	End	12181
GI	none	Score	.47
Exons	8899..8989, 9121..9663, 9793..10420, 10603..10780, 10883..11332, 11543..12181		

Seq. No.	45899	Seq. ID	OJ000211_06.0306.C15
Gene No.	97199	Strand	+
Start	8899	End	12181
Name	OJ000211_06.0306.C15.o1.np	Method	AAT/NAP
Start	8916	End	12175
GI	4680203	Score	3059
Exons	8916..10534, 10688..10921, 11198..12175		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	45899	Seq. ID	OJ000211_06.0306.C15
Gene No.	97200	Strand	-
Start	3383	End	4106
Name	OJ000211_06.0306.C15.o1.gp	Method	AAT/GAP
Start	1128	End	1658
GI	LIB3479-005-Q6-K1-D1	Score	98
Exons	1128..1192, 1619..1658		
GI Descrip.	'1184774 2.0e-51 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays]'		

Seq. No.	45899	Seq. ID	OJ000211_06.0306.C15
Gene No.	97200	Strand	-
Start	3383	End	4106
Name	OJ000211_06.0306.C15.o1.gs	Method	GENSCAN
Start	3383	End	4106
GI	none	Score	.83
Exons	3383..3437, 3740..3864, 4002..4106		

Seq. No.	45899	Seq. ID	OJ000211_06.0306.C15
Gene No.	97201	Strand	-
Start	4584	End	7119
Name	OJ000211_06.0306.C15.o2.gs	Method	GENSCAN
Start	4584	End	7119
GI	none	Score	.79
Exons	4584..4723, 4872..4931, 6530..6692, 7090..7119		

Seq. No.	45899	Seq. ID	OJ000211_06.0306.C15
Gene No.	97202	Strand	

Start	9123	End	10385
Name	OJ000211_06.0306.C15.o2.tw	Method	TBLASTX:Wheat
Start	9123	End	10285
GI	none	Score	67
Exons	9123..9185, 9816..9872, 9816..9860, 9824..9868, 9869..9970, 9870..9974, 9978..10076, 9981..10076, 9989..10078, 10056..10280, 10079..10282, 10139..10285		

Seq. No.	45899	Seq. ID	OJ000211_06.0306.C15
Gene No.	97202	Strand	
Start	9123	End	10385
Name	OJ000211_06.0306.C15.o4.tw	Method	TBLASTX:Wheat
Start	9249	End	9608
GI	none	Score	76
Exons	9249..9356, 9277..9342, 9340..9600, 9347..9601, 9348..9608, 9348..9608		

Seq. No.	45899	Seq. ID	OJ000211_06.0306.C15
Gene No.	97202	Strand	
Start	9123	End	10385
Name	OJ000211_06.0306.C15.o1.ts	Method	TBLASTX:Soybean
Start	9521	End	9947
GI	none	Score	120
Exons	9521..9655, 9525..9656, 9687..9947, 9701..9934		

Seq. No.	45899	Seq. ID	OJ000211_06.0306.C15
Gene No.	97202	Strand	
Start	9123	End	10385
Name	OJ000211_06.0306.C15.o2.tc	Method	TBLASTX:Cress
Start	9686	End	10028
GI	none	Score	296
Exons	9686..9739, 9687..10028, 9779..9832, 9878..10003		

Seq. No.	45899	Seq. ID	OJ000211_06.0306.C15
Gene No.	97202	Strand	
Start	9123	End	10385
Name	OJ000211_06.0306.C15.o1.tm	Method	TBLASTX:Maize
Start	9864	End	10319
GI	none	Score	243
Exons	9864..10106, 9873..10115, 10128..10319		

Seq. No.	45899	Seq. ID	OJ000211_06.0306.C15
Gene No.	97202	Strand	
Start	9123	End	10385
Name	OJ000211_06.0306.C15.o2.ts	Method	TBLASTX:Soybean
Start	10149	End	10385
GI	none	Score	195
Exons	10149..10385		

Seq. No.	45899	Seq. ID	OJ000211_06.0306.C15
Gene No.	97203	Strand	
Start	10417	End	10798
Name	OJ000211_06.0306.C15.o3.tw	Method	TBLASTX:Wheat
Start	10417	End	10798
GI	none	Score	55
Exons	10417..10443, 10418..10456, 10442..10684, 10457..10708, 10717..10797, 10718..10798		

Seq. No.	45899	Seq. ID	OJ000211_06.0306.C15
Gene No.	97204	Strand	
Start	10780	End	12127
Name	OJ000211_06.0306.C15.o2.tm	Method	TBLASTX:Maize
Start	10780	End	11161
GI	none	Score	303
Exons	10780..10830, 10847..11161, 10858..11133		

Seq. No.	45899	Seq. ID	OJ000211_06.0306.C15
Gene No.	97204	Strand	
Start	10780	End	12127
Name	OJ000211_06.0306.C15.o1.tw	Method	TBLASTX:Wheat
Start	10799	End	12127
GI	none	Score	57
Exons	10799..10990, 10803..10895, 10805..11737, 10806..11270, 10807..11706, 11627..11668, 11716..11760, 11717..11761, 11734..11850, 11768..11827, 11806..11952, 11807..11953, 11878..11955, 11959..12030, 11960..12040, 12029..12127		

Seq. No.	45899	Seq. ID	OJ000211_06.0306.C15
Gene No.	97204	Strand	
Start	10780	End	12127
Name	OJ000211_06.0306.C15.o1.tc	Method	TBLASTX:Cress
Start	11092	End	11539
GI	none	Score	126
Exons	11092..11514, 11092..11535, 11096..11539, 11102..11539		

Seq. No.	45900	Seq. ID	OJ000211_06.0306.C16
Gene No.	97205	Strand	+
Start	100	End	4559
Name	OJ000211_06.0306.C16.o1.gs	Method	GENSCAN
Start	100	End	4559
GI	none	Score	.73
Exons	100..189, 952..1078, 1364..1530, 1558..2115, 2140..2334, 2405..2598, 2736..2811, 2891..3516, 3591..3764, 4051..4123, 4214..4312, 4389..4559		

Seq. No.	45900	Seq. ID	OJ000211_06.0306.C16
Gene No.	97205	Strand	+
Start	100	End	4559
Name	OJ000211_06.0306.C16.o1.np	Method	AAT/NAP
Start	937	End	3959
GI	4680204	Score	953
Exons	937..2334, 2405..3516, 3591..3764, 3852..3959		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	45900	Seq. ID	OJ000211_06.0306.C16
Gene No.	97205	Strand	+
Start	100	End	4559
Name	OJ000211_06.0306.C16.o2.np	Method	AAT/NAP
Start	937	End	4553
GI	4680204	Score	997
Exons	937..2334, 2405..3516, 3591..3764, 3852..4022, 4375..4553		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	45900	Seq. ID	OJ000211_06.0306.C16

Gene No.	97206	Strand	+
Start	4626	End	4898
Name	OJ000211_06.0306.C16.o1.tw	Method	TBLASTX:Wheat
Start	1537	End	1827
GI	none	Score	232
Exons	1537..1770, 1540..1827, 1647..1781		

Seq. No.	45900	Seq. ID	OJ000211_06.0306.C16
Gene No.	97206	Strand	+
Start	4626	End	4898
Name	OJ000211_06.0306.C16.o2.tw	Method	TBLASTX:Wheat
Start	1935	End	2617
GI	none	Score	71
Exons	1935..1988, 2239..2337, 2398..2472, 2399..2617, 2511..2564, 2581..2616		

Seq. No.	45900	Seq. ID	OJ000211_06.0306.C16
Gene No.	97206	Strand	+
Start	4626	End	4898
Name	OJ000211_06.0306.C16.o3.np	Method	AAT/NAP
Start	4626	End	4898
GI	862343	Score	114
Exons	4626..4898		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	45901	Seq. ID	OJ000211_06.0306.C17
Gene No.	97207	Strand	-
Start	800	End	2297
Name	OJ000211_06.0306.C17.o1.gs	Method	GENSCAN
Start	800	End	2277
GI	none	Score	.73
Exons	800..999, 1075..1237, 1454..1594, 2206..2277		

Seq. No.	45901	Seq. ID	OJ000211_06.0306.C17
Gene No.	97207	Strand	-
Start	800	End	2297
Name	OJ000211_06.0306.C17.o1.np	Method	AAT/NAP
Start	800	End	2297
GI	3894168	Score	142
Exons	800..1179, 1247..1351, 2264..2297		
GI Descrip.	(AC005312) putative phloem-specific lectin [Arabidopsis thaliana]		

Seq. No.	45902	Seq. ID	OJ000221_06.0330.C1
Gene No.	97208	Strand	+
Start	277	End	5092
Name	OJ000221_06.0330.C1.o1.gs	Method	GENSCAN
Start	277	End	4710
GI	none	Score	.48
Exons	277..573, 884..1156, 1367..1474, 1572..1847, 1931..2300, 2421..3207, 3597..3908, 4567..4710		

Seq. No.	45902	Seq. ID	OJ000221_06.0330.C1
Gene No.	97208	Strand	+

Start	277	End	5092
Name	OJ000221_06.0330.C1.o2.np	Method	AAT/NAP
Start	562	End	5092
GI	6539581	Score	732
Exons	562..614, 1600..1835, 1892..1957, 2027..2094, 2203..3207, 3363..3883, 5043..5092		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	45902	Seq. ID	OJ000221_06.0330.C1
Gene No.	97208	Strand	+
Start	277	End	5092
Name	OJ000221_06.0330.C1.o2.tw	Method	TBLASTX:Wheat
Start	2267	End	2584
GI	none	Score	228
Exons	2267..2584		

Seq. No.	45902	Seq. ID	OJ000221_06.0330.C1
Gene No.	97208	Strand	+
Start	277	End	5092
Name	OJ000221_06.0330.C1.o1.ts	Method	TBLASTX:Soybean
Start	2480	End	3025
GI	none	Score	413
Exons	2480..3025, 2480..2698, 2524..2769		

Seq. No.	45902	Seq. ID	OJ000221_06.0330.C1
Gene No.	97208	Strand	+
Start	277	End	5092
Name	OJ000221_06.0330.C1.o1.tm	Method	TBLASTX:Maize
Start	2522	End	3157
GI	none	Score	232
Exons	2522..2827, 2558..2704, 2617..2808, 2849..3157		

Seq. No.	45902	Seq. ID	OJ000221_06.0330.C1
Gene No.	97208	Strand	+
Start	277	End	5092
Name	OJ000221_06.0330.C1.o1.tw	Method	TBLASTX:Wheat
Start	2653	End	3085
GI	none	Score	269
Exons	2653..2814, 2654..3085		

Seq. No.	45903	Seq. ID	OJ000221_06.0330.C2
Gene No.	97209	Strand	-
Start	395	End	1009
Name	OJ000221_06.0330.C2.o1.gs	Method	GENSCAN
Start	395	End	1009
GI	none	Score	.58
Exons	395..578, 699..1009		

Seq. No.	45904	Seq. ID	OJ000221_06.0330.C4
Gene No.	97210	Strand	+
Start	246	End	2683
Name	OJ000221_06.0330.C4.o1.gs	Method	GENSCAN
Start	246	End	1922
GI	none	Score	.87
Exons	246..693, 787..821, 890..956, 1914..1922		

Seq. No.	45904	Seq. ID	OJ000221_06.0330.C4
Gene No.	97210	Strand	+
Start	246	End	2683
Name	OJ000221_06.0330.C4.o1.np	Method	AAT/NAP
Start	370	End	2683
GI	4680201	Score	164
Exons	370..693, 2639..2683		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	45904	Seq. ID	OJ000221_06.0330.C4
Gene No.	97211	Strand	-
Start	2276	End	4480
Name	OJ000221_06.0330.C4.o1.tm	Method	TBLASTX:Maize
Start	429	End	4479
GI	none	Score	186
Exons	429..602, 453..602, 4350..4478, 4351..4479, 4356..4478		

Seq. No.	45904	Seq. ID	OJ000221_06.0330.C4
Gene No.	97211	Strand	-
Start	2276	End	4480
Name	OJ000221_06.0330.C4.o2.np	Method	AAT/NAP
Start	2276	End	4480
GI	4680201	Score	149
Exons	2276..2296, 2834..2997, 4261..4480		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	45904	Seq. ID	OJ000221_06.0330.C4
Gene No.	97211	Strand	-
Start	2276	End	4480
Name	OJ000221_06.0330.C4.o2.gs	Method	GENSCAN
Start	2589	End	4412
GI	none	Score	.79
Exons	2589..2725, 2944..3049, 3174..3229, 4124..4158, 4240..4412		

Seq. No.	45904	Seq. ID	OJ000221_06.0330.C4
Gene No.	97211	Strand	-
Start	2276	End	4480
Name	OJ000221_06.0330.C4.o1.gp	Method	AAT/GAP
Start	3962	End	4480
GI	4714786	Score	993
Exons	3962..4480		
GI Descrip.	4680489/gb|AAD27669.1|AF119222_1 2.0e-09 (AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	45905	Seq. ID	OJ000221_06.0330.C5
Gene No.	97212	Strand	+
Start	1111	End	2506
Name	OJ000221_06.0330.C5.o1.gs	Method	GENSCAN
Start	1111	End	2506
GI	none	Score	.8
Exons	1111..1306, 2011..2124, 2418..2506		

Seq. No.	45905	Seq. ID	OJ000221_06.0330.C5
Gene No.	97213	Strand	+
Start	3545	End	4009
Name	OJ000221_06.0330.C5.o2.gs	Method	GENSCAN
Start	3545	End	4009

GI	none	Score	.71
Exons	3545..3699, 3772..4009		

Seq. No.	45905	Seq. ID	OJ000221_06.0330.C5
Gene No.	97214	Strand	-
Start	1	End	2214
Name	OJ000221_06.0330.C5.o1.gp	Method	AAT/GAP
Start	1	End	2214
GI	31775_1.R1084	Score	945
Exons	1..47, 1096..1155, 1826..2214		
GI Descrip.	'4680489/gb|AAD27669.1|AF119222_1 2.0e-09 (AF119222) hypothetical protein [Oryza sativa]'		

Seq. No.	45905	Seq. ID	OJ000221_06.0330.C5
Gene No.	97215	Strand	-
Start	4213	End	8409
Name	OJ000221_06.0330.C5.o3.gs	Method	GENSCAN
Start	4213	End	8303
GI	none	Score	.68
Exons	4213..4398, 4403..4492, 5068..5135, 5794..5836, 5950..6032, 7681..7764, 8162..8303		

Seq. No.	45905	Seq. ID	OJ000221_06.0330.C5
Gene No.	97215	Strand	-
Start	4213	End	8409
Name	OJ000221_06.0330.C5.o2.gp	Method	AAT/GAP
Start	5424	End	8409
GI	1095_1.R1084	Score	1510
Exons	5424..5836, 5950..6032, 7681..7764, 8162..8409		
GI Descrip.	'4680489/gb|AAD27669.1|AF119222_1 2.0e-09 (AF119222) hypothetical protein [Oryza sativa]'		

Seq. No.	45905	Seq. ID	OJ000221_06.0330.C5
Gene No.	97215	Strand	-
Start	4213	End	8409
Name	OJ000221_06.0330.C5.o1.tm	Method	TBLASTX:Maize
Start	5478	End	8304
GI	none	Score	36
Exons	5478..5513, 5599..5640, 5716..5796, 5717..5839, 5718..5837, 5718..5840, 5947..6048, 5954..6031, 5980..6045, 7665..7760, 7666..7761, 7676..7765, 7676..7762, 8161..8304, 8163..8303		

Seq. No.	45905	Seq. ID	OJ000221_06.0330.C5
Gene No.	97215	Strand	-
Start	4213	End	8409
Name	OJ000221_06.0330.C5.o1.tw	Method	TBLASTX:Wheat
Start	5692	End	8213
GI	none	Score	200
Exons	5692..5796, 5717..5839, 5718..5840, 5718..5840, 5722..5841, 5947..6048, 5948..6031, 5952..6056, 7676..7762, 8163..8213		

Seq. No.	45905	Seq. ID	OJ000221_06.0330.C5
Gene No.	97215	Strand	-
Start	4213	End	8409
Name	OJ000221_06.0330.C5.o1.ts	Method	TBLASTX:Soybean
Start	5706	End	8309
GI	none	Score	168

Exons	5706..5834, 5708..5839, 5716..5835, 5947..6048, 7676..7762, 8161..8298, 8163..8309		
Seq. No.	45905	Seq. ID	OJ000221_06.0330.C5
Gene No.	97215	Strand	-
Start	4213	End	8409
Name	OJ000221_06.0330.C5.o1.tc	Method	TBLASTX:Cress
Start	5717	End	8304
GI	none	Score	142
Exons	5717..5839, 5718..5837, 5947..6048, 5954..6031, 7676..7762, 7678..7758, 8161..8304, 8163..8303		
Seq. No.	45905	Seq. ID	OJ000221_06.0330.C5
Gene No.	97215	Strand	-
Start	4213	End	8409
Name	OJ000221_06.0330.C5.o1.np	Method	AAT/NAP
Start	5720	End	8303
GI	7488897	Score	520
Exons	5720..5836, 5950..6032, 7681..7764, 8162..8303		
GI Descrip.	hypothetical protein - castor bean gi|1632831|emb|CAA89698.1| (Z49698) orf [Ricinus communis]		
Seq. No.	45906	Seq. ID	OJ000221_06.0330.C6
Gene No.	97216	Strand	+
Start	817	End	935
Name	OJ000221_06.0330.C6.o1.gs	Method	GENSCAN
Start	817	End	935
GI	none	Score	.97
Exons	817..935		
Seq. No.	45907	Seq. ID	OJ000221_06.0330.C8
Gene No.	97217	Strand	+
Start	592	End	1839
Name	OJ000221_06.0330.C8.o1.gs	Method	GENSCAN
Start	592	End	1839
GI	none	Score	.73
Exons	592..611, 1680..1839		
Seq. No.	45908	Seq. ID	OJ000221_06.0330.C9
Gene No.	97218	Strand	+
Start	1565	End	7338
Name	OJ000221_06.0330.C9.o1.gp	Method	AAT/GAP
Start	1565	End	3834
GI	45148_1.R1084	Score	1378
Exons	1565..2068, 3512..3834		
GI Descrip.	'115583/sp|P29194|CAP2_SORVU 1.0e-62 PHOSPHOENOLPYRUVATE CARBOXYLASE 2 (PEPCASE) (CP28) >gi_100758_pir__S18240 phosphoenolpyruvate carboxylase (EC 4.1.1.31) - sorghum >gi_22593_emb_CAA42549_ (X59925) phosphoenolpyruvate carboxylase [Sorghum bicolor]'		
Seq. No.	45908	Seq. ID	OJ000221_06.0330.C9
Gene No.	97218	Strand	+
Start	1565	End	7338
Name	OJ000221_06.0330.C9.o1.gs	Method	GENSCAN
Start	1904	End	7114
GI	none	Score	.91

Exons	1904..2068, 3512..3903, 3986..4070, 4263..4485, 4565..4668, 4740..4827, 4915..5069, 5174..5591, 5781..6172, 6307..6456, 6471..6692, 6818..7114		
Seq. No.	45908	Seq. ID	OJ000221_06.0330.C9
Gene No.	97218	Strand	+
Start	1565	End	7338
Name	OJ000221_06.0330.C9.o1.tm	Method	TBLASTX:Maize
Start	1910	End	7137
GI	none	Score	208
Exons	1910..2089, 2149..2172, 3512..3697, 3512..3688, 3689..3904, 3694..3903, 3969..4070, 3984..4076, 4224..4487, 4235..4528, 4236..4499, 4563..4676, 4564..4671, 4734..4823, 4737..4793, 4896..5069, 4913..5065, 4914..5069, 5164..5712, 5171..6169, 5171..5791, 5752..5856, 5784..6164, 5890..6165, 6273..6359, 6305..6361, 6307..6366, 6310..6360, 6357..6677, 6371..6679, 6375..6692, 6395..6688, 6430..6693, 6807..6977, 6812..7006, 6820..7014, 7006..7116, 7007..7117, 7013..7117, 7015..7137		
Seq. No.	45908	Seq. ID	OJ000221_06.0330.C9
Gene No.	97218	Strand	+
Start	1565	End	7338
Name	OJ000221_06.0330.C9.o1.tc	Method	TBLASTX:Cress
Start	1916	End	7133
GI	none	Score	236
Exons	1916..2089, 3504..3683, 3512..3712, 3512..3703, 3583..3711, 3689..3904, 3691..3903, 3969..4070, 3984..4076, 4224..4514, 4235..4531, 4236..4499, 4261..4530, 4563..4667, 4564..4671, 4579..4668, 4734..4814, 4738..4824, 4739..4813, 4909..5046, 4911..5069, 4912..5067, 4913..5068, 5170..5367, 5171..5371, 5173..5373, 5369..6178, 5372..5701, 5422..5856, 5837..6172, 5890..6177, 6306..6365, 6307..6366, 6357..6677, 6357..6701, 6362..6688, 6418..6702, 6812..7120, 6886..7122, 7035..7133		
Seq. No.	45908	Seq. ID	OJ000221_06.0330.C9
Gene No.	97218	Strand	+
Start	1565	End	7338
Name	OJ000221_06.0330.C9.o1.ts	Method	TBLASTX:Soybean
Start	1916	End	7169
GI	none	Score	234
Exons	1916..2089, 3512..3904, 3513..3683, 3592..3903, 3744..3908, 3969..4070, 3984..4076, 4235..4531, 4236..4499, 4563..4676, 4564..4671, 4734..4811, 4737..4811, 4896..5069, 4913..5065, 5171..6178, 5171..5716, 5173..5856, 5778..6170, 5831..6172, 5890..6186, 6306..6365, 6307..6366, 6357..6677, 6362..6676, 6505..6702, 6614..6703, 6812..7114, 6813..6971, 6889..7113, 7018..7116, 7035..7169		
Seq. No.	45908	Seq. ID	OJ000221_06.0330.C9
Gene No.	97218	Strand	+
Start	1565	End	7338
Name	OJ000221_06.0330.C9.o1.np	Method	AAT/NAP
Start	1916	End	7111
GI	115583	Score	4286
Exons	1916..2068, 3512..3903, 3986..4070, 4263..4485, 4565..4668, 4740..4827, 4915..5069, 5174..6172, 6307..6692, 6818..7111		
GI Descrip.	PHOSPHOENOLPYRUVATE CARBOXYLASE 2 (PEPCASE) (CP28)		

gi|100758|pir||S18240 phosphoenolpyruvate carboxylase (EC 4.1.1.31) - sorghum gi|22593|emb|CAA42549.1| (X59925) phosphoenolpyruvate carboxylase [Sorghum bicolor]

Seq. No.	45908	Seq. ID	OJ000221_06.0330.C9
Gene No.	97218	Strand	+
Start	1565	End	7338
Name	OJ000221_06.0330.C9.o2.tw	Method	TBLASTX:Wheat
Start	3821	End	4425
GI	none	Score	125
Exons	3821..3904, 3832..3930, 3969..4070, 3984..4076, 4235..4423, 4236..4424, 4261..4425		

Seq. No.	45908	Seq. ID	OJ000221_06.0330.C9
Gene No.	97218	Strand	+
Start	1565	End	7338
Name	OJ000221_06.0330.C9.o2.gp	Method	AAT/GAP
Start	4625	End	5229
GI	uC-osf1cyp157b06b1	Score	618
Exons	4625..4668, 4740..4827, 4915..5069, 5174..5229		
GI Descrip.	'3341490/emb|CAA07610| 3.0e-55 (AJ007705) phospoenolpyruvate carboxylase [Triticum aestivum]'		

Seq. No.	45908	Seq. ID	OJ000221_06.0330.C9
Gene No.	97218	Strand	+
Start	1565	End	7338
Name	OJ000221_06.0330.C9.o3.gp	Method	AAT/GAP
Start	5859	End	7338
GI	34216_1.R1084	Score	2209
Exons	5859..6172, 6307..6692, 6818..7338		
GI Descrip.	'2266947 1.0e-161 (AF008939) phosphoenolpyruvate carboxylase 1 [Gossypium hirsutum]'		

Seq. No.	45908	Seq. ID	OJ000221_06.0330.C9
Gene No.	97218	Strand	+
Start	1565	End	7338
Name	OJ000221_06.0330.C9.o1.tw	Method	TBLASTX:Wheat
Start	6474	End	6859
GI	none	Score	302
Exons	6474..6677, 6475..6693, 6475..6666, 6515..6673, 6812..6859, 6813..6857		

Seq. No.	45909	Seq. ID	OJ000221_06.0330.C10
Gene No.	97219	Strand	-
Start	1271	End	1341
Name	OJ000221_06.0330.C10.o2.gs	Method	GENSCAN
Start	1271	End	1341
GI	none	Score	.42
Exons	1271..1341		

Seq. No.	45910	Seq. ID	OJ000221_06.0330.C11
Gene No.	97220	Strand	+
Start	131	End	5722
Name	OJ000221_06.0330.C11.o1.np	Method	AAT/NAP
Start	131	End	5722
GI	6692691	Score	628
Exons	131..245, 549..672, 2220..2314, 2351..2544, 2984..3146,		

3310..3447, 5649..5722
GI Descrip. (AC007592) F12K11.11 [Arabidopsis thaliana]

Seq. No.	45910	Seq. ID	OJ000221_06.0330.C11
Gene No.	97220	Strand	+
Start	131	End	5722
Name	OJ000221_06.0330.C11.o1.gs	Method	GENSCAN
Start	509	End	4882
GI	none	Score	.66
Exons	509..672, 2220..2544, 2984..3092, 3310..3447, 4353..4506, 4810..4882		

Seq. No.	45910	Seq. ID	OJ000221_06.0330.C11
Gene No.	97221	Strand	+
Start	6049	End	8765
Name	OJ000221_06.0330.C11.o1.tw	Method	TBLASTX:Wheat
Start	568	End	2411
GI	none	Score	139
Exons	568..657, 569..664, 2203..2409, 2220..2411, 2220..2345, 2221..2409, 2391..2411		

Seq. No.	45910	Seq. ID	OJ000221_06.0330.C11
Gene No.	97221	Strand	+
Start	6049	End	8765
Name	OJ000221_06.0330.C11.o1.tm	Method	TBLASTX:Maize
Start	2969	End	3398
GI	none	Score	223
Exons	2969..3100, 2981..3130, 2982..3131, 2983..3132, 2983..3129, 3299..3382, 3299..3397, 3306..3398		

Seq. No.	45910	Seq. ID	OJ000221_06.0330.C11
Gene No.	97221	Strand	+
Start	6049	End	8765
Name	OJ000221_06.0330.C11.o2.np	Method	AAT/NAP
Start	6049	End	8765
GI	6692692	Score	331
Exons	6049..6229, 7983..8319, 8513..8765		
GI Descrip.	(AC007592) F12K11.10 [Arabidopsis thaliana]		

Seq. No.	45910	Seq. ID	OJ000221_06.0330.C11
Gene No.	97221	Strand	+
Start	6049	End	8765
Name	OJ000221_06.0330.C11.o2.tm	Method	TBLASTX:Maize
Start	6194	End	8575
GI	none	Score	67
Exons	6194..6250, 7971..8138, 7982..8137, 8123..8212, 8142..8237, 8513..8575		

Seq. No.	45910	Seq. ID	OJ000221_06.0330.C11
Gene No.	97221	Strand	+
Start	6049	End	8765
Name	OJ000221_06.0330.C11.o2.gs	Method	GENSCAN
Start	8013	End	8731
GI	none	Score	.7
Exons	8013..8220, 8523..8731		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12

Gene No.	97222	Strand	+
Start	309	End	3476
Name	OJ000221_06.0330.C12.o1.gs	Method	GENSCAN
Start	309	End	3476
GI	none	Score	.83
Exons	309..409, 994..1075, 1442..1506, 2598..2691, 3333..3476		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97222	Strand	+
Start	309	End	3476
Name	OJ000221_06.0330.C12.o1.np	Method	AAT/NAP
Start	309	End	3470
GI	6692692	Score	311
Exons	309..409, 994..1075, 1442..1474, 3333..3470		
GI Descrip.	(AC007592) F12K11.10 [Arabidopsis thaliana]		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97223	Strand	+
Start	4735	End	4841
Name	OJ000221_06.0330.C12.o1.gp	Method	AAT/GAP
Start	4735	End	4841
GI	LIB3477-003-P1-K1-E9	Score	140
Exons	4735..4841		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97224	Strand	+
Start	8598	End	19242
Name	OJ000221_06.0330.C12.o2.gs	Method	GENSCAN
Start	8598	End	18993
GI	none	Score	.52
Exons	8598..9699, 10066..10233, 11704..11768, 12908..12981, 13004..13086, 13100..13957, 14030..14369, 14375..15374, 15440..15880, 16127..17419, 17622..17715, 17768..18711, 18832..18993		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97224	Strand	+
Start	8598	End	19242
Name	OJ000221_06.0330.C12.o2.np	Method	AAT/NAP
Start	14435	End	19242
GI	7228457	Score	3044
Exons	14435..15931, 15986..17650, 17716..19242		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97225	Strand	-
Start	19858	End	22656
Name	OJ000221_06.0330.C12.o7.tw	Method	TBLASTX:Wheat
Start	14459	End	14804
GI	none	Score	78
Exons	14459..14542, 14470..14520, 14502..14804, 14543..14803		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97225	Strand	-
Start	19858	End	22656
Name	OJ000221_06.0330.C12.o5.tw	Method	TBLASTX:Wheat
Start	15449	End	15889
GI	none	Score	147
Exons	15449..15631, 15457..15558, 15668..15754, 15670..15753, 15742..15879, 15743..15889		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97225	Strand	-
Start	19858	End	22656
Name	OJ000221_06.0330.C12.o1.tw	Method	TBLASTX:Wheat
Start	16081	End	16537
GI	none	Score	535
Exons	16081..16536, 16082..16537		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97225	Strand	-
Start	19858	End	22656
Name	OJ000221_06.0330.C12.o1.tm	Method	TBLASTX:Maize
Start	16211	End	16567
GI	none	Score	403
Exons	16211..16567, 16265..16513, 16273..16566		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97225	Strand	-
Start	19858	End	22656
Name	OJ000221_06.0330.C12.o3.tm	Method	TBLASTX:Maize
Start	16595	End	16978
GI	none	Score	320
Exons	16595..16978, 16595..16732, 16762..16977		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97225	Strand	-
Start	19858	End	22656
Name	OJ000221_06.0330.C12.o2.tw	Method	TBLASTX:Wheat
Start	16652	End	17076
GI	none	Score	451
Exons	16652..17074, 16652..17041, 16762..17076		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97225	Strand	-
Start	19858	End	22656
Name	OJ000221_06.0330.C12.o1.ts	Method	TBLASTX:Soybean
Start	16706	End	17131
GI	none	Score	294
Exons	16706..17131, 16765..16890		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97225	Strand	-
Start	19858	End	22656
Name	OJ000221_06.0330.C12.o6.tw	Method	TBLASTX:Wheat
Start	17222	End	17629
GI	none	Score	207
Exons	17222..17446, 17287..17448, 17456..17629, 17564..17629		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97225	Strand	-
Start	19858	End	22656
Name	OJ000221_06.0330.C12.o4.tw	Method	TBLASTX:Wheat
Start	18118	End	18501
GI	none	Score	369
Exons	18118..18501, 18126..18500		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97225	Strand	-
Start	19858	End	22656
Name	OJ000221_06.0330.C12.o2.tm	Method	TBLASTX:Maize
Start	18118	End	18423
GI	none	Score	338
Exons	18118..18423, 18156..18422		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97225	Strand	-
Start	19858	End	22656
Name	OJ000221_06.0330.C12.o3.tw	Method	TBLASTX:Wheat
Start	18625	End	19233
GI	none	Score	344
Exons	18625..19077, 18639..18725, 18774..18881, 19102..19233, 19107..19220		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97225	Strand	-
Start	19858	End	22656
Name	OJ000221_06.0330.C12.o3.gs	Method	GENSCAN
Start	19858	End	22611
GI	none	Score	.65
Exons	19858..20375, 20473..20618, 20740..21346, 21355..21500, 21570..21628, 21700..21879, 21947..22071, 22238..22611		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97225	Strand	-
Start	19858	End	22656
Name	OJ000221_06.0330.C12.o3.np	Method	AAT/NAP
Start	20739	End	22347
GI	6721561	Score	989
Exons	20739..21500, 21570..21628, 21700..21913, 22312..22347		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	45911	Seq. ID	OJ000221_06.0330.C12
Gene No.	97225	Strand	-
Start	19858	End	22656
Name	OJ000221_06.0330.C12.o4.np	Method	AAT/NAP
Start	22161	End	22656
GI	6539586	Score	155
Exons	22161..22370, 22410..22656		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	45912	Seq. ID	OJ000221_06.0330.C13

Gene No.	97226	Strand	+
Start	648	End	2732
Name	OJ000221_06.0330.C13.o2.np	Method	AAT/NAP
Start	648	End	2732
GI	7523517	Score	182
Exons	648..947, 1092..1185, 2705..2732		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	45912	Seq. ID	OJ000221_06.0330.C13
Gene No.	97227	Strand	-
Start	1	End	198
Name	OJ000221_06.0330.C13.o1.np	Method	AAT/NAP
Start	1	End	198
GI	6721558	Score	96
Exons	1..198		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	45913	Seq. ID	OJ000221_06.0330.C14
Gene No.	97228	Strand	+
Start	1	End	6340
Name	OJ000221_06.0330.C14.o1.np	Method	AAT/NAP
Start	1	End	6340
GI	5852180	Score	593
Exons	1..58, 666..785, 837..1247, 1948..1985, 6208..6340		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	45913	Seq. ID	OJ000221_06.0330.C14
Gene No.	97228	Strand	+
Start	1	End	6340
Name	OJ000221_06.0330.C14.o1.gs	Method	GENSCAN
Start	191	End	1261
GI	none	Score	.84
Exons	191..238, 668..1261		

Seq. No.	45913	Seq. ID	OJ000221_06.0330.C14
Gene No.	97228	Strand	+
Start	1	End	6340
Name	OJ000221_06.0330.C14.o2.np	Method	AAT/NAP
Start	1594	End	4895
GI	3355308	Score	754
Exons	1594..1618, 3622..4483, 4517..4895		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	45913	Seq. ID	OJ000221_06.0330.C14
Gene No.	97228	Strand	+
Start	1	End	6340
Name	OJ000221_06.0330.C14.o1.tc	Method	TBLASTX:Cress
Start	3715	End	4731
GI	none	Score	356
Exons	3715..4125, 3927..4106, 4123..4338, 4206..4316, 4333..4482, 4356..4475, 4537..4731, 4587..4721		

Seq. No.	45913	Seq. ID	OJ000221_06.0330.C14
Gene No.	97228	Strand	+
Start	1	End	6340

Name	OJ000221_06.0330.C14.o2.gs	Method	GENSCAN
Start	3715	End	4752
GI	none	Score	.93
Exons	3715..4752		

Seq. No.	45913	Seq. ID	OJ000221_06.0330.C14
Gene No.	97228	Strand	+
Start	1	End	6340
Name	OJ000221_06.0330.C14.o1.tm	Method	TBLASTX:Maize
Start	3823	End	4733
GI	none	Score	328
Exons	3823..4125, 3924..4106, 4171..4326, 4206..4316, 4333..4479, 4356..4472, 4537..4731, 4662..4733		

Seq. No.	45913	Seq. ID	OJ000221_06.0330.C14
Gene No.	97228	Strand	+
Start	1	End	6340
Name	OJ000221_06.0330.C14.o1.ts	Method	TBLASTX:Soybean
Start	3823	End	4473
GI	none	Score	129
Exons	3823..3963, 3976..4125, 3984..4106, 4168..4320, 4212..4316, 4333..4473, 4356..4466		

Seq. No.	45913	Seq. ID	OJ000221_06.0330.C14
Gene No.	97228	Strand	+
Start	1	End	6340
Name	OJ000221_06.0330.C14.o1.tw	Method	TBLASTX:Wheat
Start	3841	End	4125
GI	none	Score	298
Exons	3841..4125, 3939..4106		

Seq. No.	45913	Seq. ID	OJ000221_06.0330.C14
Gene No.	97228	Strand	+
Start	1	End	6340
Name	OJ000221_06.0330.C14.o2.tw	Method	TBLASTX:Wheat
Start	4168	End	4473
GI	none	Score	166
Exons	4168..4335, 4206..4313, 4342..4473, 4345..4467, 4383..4469		

Seq. No.	45914	Seq. ID	OJ000221_06.0330.C15
Gene No.	97229	Strand	-
Start	978	End	2404
Name	OJ000221_06.0330.C15.o1.gs	Method	GENSCAN
Start	978	End	2404
GI	none	Score	.88
Exons	978..1640, 1712..1814, 2331..2404		

Seq. No.	45914	Seq. ID	OJ000221_06.0330.C15
Gene No.	97229	Strand	-
Start	978	End	2404
Name	OJ000221_06.0330.C15.o1.gp	Method	AAT/GAP
Start	1956	End	2202
GI	3761181	Score	429
Exons	1956..2202		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	45914	Seq. ID	OJ000221_06.0330.C15
Gene No.	97230	Strand	-
Start	3772	End	3927
Name	OJ000221_06.0330.C15.o2.gs	Method	GENSCAN
Start	3772	End	3927
GI	none	Score	.67
Exons	3772..3927		

Seq. No.	45914	Seq. ID	OJ000221_06.0330.C15
Gene No.	97231	Strand	-
Start	4286	End	12555
Name	OJ000221_06.0330.C15.o1.tw	Method	TBLASTX:Wheat
Start	1242	End	8673
GI	none	Score	66
Exons	1242..1418, 7907..8002, 8109..8228, 8111..8242, 8320..8673, 8354..8446, 8501..8620		

Seq. No.	45914	Seq. ID	OJ000221_06.0330.C15
Gene No.	97231	Strand	-
Start	4286	End	12555
Name	OJ000221_06.0330.C15.o1.tm	Method	TBLASTX:Maize
Start	1356	End	1735
GI	none	Score	85
Exons	1356..1640, 1367..1498, 1396..1641, 1700..1735		

Seq. No.	45914	Seq. ID	OJ000221_06.0330.C15
Gene No.	97231	Strand	-
Start	4286	End	12555
Name	OJ000221_06.0330.C15.o3.gs	Method	GENSCAN
Start	4286	End	12555
GI	none	Score	.47
Exons	4286..4488, 4746..5482, 6289..7346, 7430..7490, 7905..8225, 8324..8516, 8739..8826, 8988..9370, 9533..10352, 11054..11244, 12391..12492, 12501..12555		

Seq. No.	45914	Seq. ID	OJ000221_06.0330.C15
Gene No.	97231	Strand	-
Start	4286	End	12555
Name	OJ000221_06.0330.C15.o1.np	Method	AAT/NAP
Start	4290	End	7623
GI	7106512	Score	2376
Exons	4290..4488, 4543..5562, 5831..7102, 7340..7490, 7564..7623		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	45914	Seq. ID	OJ000221_06.0330.C15
Gene No.	97231	Strand	-
Start	4286	End	12555
Name	OJ000221_06.0330.C15.o2.gp	Method	AAT/GAP
Start	7521	End	7769
GI	3761181	Score	418
Exons	7521..7769		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	45914	Seq. ID	OJ000221_06.0330.C15
Gene No.	97231	Strand	-

Start	4286	End	12555
Name	OJ000221_06.0330.C15.o3.gp	Method	AAT/GAP
Start	7777	End	7883
GI	5816518	Score	155
Exons	7777..7883		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	45914	Seq. ID	OJ000221_06.0330.C15
Gene No.	97231	Strand	-
Start	4286	End	12555
Name	OJ000221_06.0330.C15.o2.np	Method	AAT/NAP
Start	8096	End	10997
GI	5911167	Score	1582
Exons	8096..8225, 8324..10480, 10927..10997		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	45914	Seq. ID	OJ000221_06.0330.C15
Gene No.	97231	Strand	-
Start	4286	End	12555
Name	OJ000221_06.0330.C15.o2.tm	Method	TBLASTX:Maize
Start	8323	End	8769
GI	none	Score	68
Exons	8323..8469, 8323..8769, 8324..8767		

Seq. No.	45914	Seq. ID	OJ000221_06.0330.C15
Gene No.	97231	Strand	-
Start	4286	End	12555
Name	OJ000221_06.0330.C15.o1.ts	Method	TBLASTX:Soybean
Start	8335	End	8736
GI	none	Score	84
Exons	8335..8574, 8336..8455, 8579..8689, 8584..8736		

Seq. No.	45914	Seq. ID	OJ000221_06.0330.C15
Gene No.	97231	Strand	-
Start	4286	End	12555
Name	OJ000221_06.0330.C15.o2.ts	Method	TBLASTX:Soybean
Start	9081	End	9320
GI	none	Score	96
Exons	9081..9320, 9103..9318		

Seq. No.	45914	Seq. ID	OJ000221_06.0330.C15
Gene No.	97231	Strand	-
Start	4286	End	12555
Name	OJ000221_06.0330.C15.o3.tm	Method	TBLASTX:Maize
Start	9150	End	9603
GI	none	Score	115
Exons	9150..9347, 9151..9345, 9360..9593, 9444..9593, 9457..9603		

Seq. No.	45914	Seq. ID	OJ000221_06.0330.C15
Gene No.	97231	Strand	-
Start	4286	End	12555
Name	OJ000221_06.0330.C15.o2.tw	Method	TBLASTX:Wheat
Start	9363	End	9650
GI	none	Score	83
Exons	9363..9650, 9456..9635, 9457..9645		

Seq. No.	45914	Seq. ID	OJ000221_06.0330.C15
Gene No.	97231	Strand	-
Start	4286	End	12555
Name	OJ000221_06.0330.C15.o1.tc	Method	TBLASTX:Cress
Start	9438	End	9789
GI	none	Score	57
Exons	9438..9659, 9457..9597, 9681..9770, 9682..9789		

Seq. No.	45914	Seq. ID	OJ000221_06.0330.C15
Gene No.	97231	Strand	-
Start	4286	End	12555
Name	OJ000221_06.0330.C15.o3.ts	Method	TBLASTX:Soybean
Start	9825	End	10083
GI	none	Score	60
Exons	9825..10061, 9889..10083		

Seq. No.	45915	Seq. ID	OJ000221_06.0330.C16
Gene No.	97232	Strand	+
Start	1120	End	1501
Name	OJ000221_06.0330.C16.o1.gp	Method	AAT/GAP
Start	1120	End	1501
GI	uC-osf1cyp033a04b1	Score	687
Exons	1120..1501		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	45915	Seq. ID	OJ000221_06.0330.C16
Gene No.	97233	Strand	+
Start	14210	End	16944
Name	OJ000221_06.0330.C16.o5.np	Method	AAT/NAP
Start	14210	End	16944
GI	6721558	Score	291
Exons	14210..14309, 15012..15136, 16041..16183, 16875..16944		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	45915	Seq. ID	OJ000221_06.0330.C16
Gene No.	97233	Strand	+
Start	14210	End	16944
Name	OJ000221_06.0330.C16.o6.np	Method	AAT/NAP
Start	14898	End	16347
GI	6721561	Score	1005
Exons	14898..14966, 15204..15395, 15465..15523, 15604..16347		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	45915	Seq. ID	OJ000221_06.0330.C16
Gene No.	97234	Strand	-
Start	1053	End	13752
Name	OJ000221_06.0330.C16.o1.np	Method	AAT/NAP
Start	1053	End	6106
GI	4680186	Score	372
Exons	1053..1253, 2093..2144, 5992..6106		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	45915	Seq. ID	OJ000221_06.0330.C16
Gene No.	97234	Strand	-
Start	1053	End	13752
Name	OJ000221_06.0330.C16.o2.np	Method	AAT/NAP
Start	5730	End	10437
GI	5803270	Score	589
Exons	5730..5748, 8122..8229, 10058..10201, 10279..10437		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	45915	Seq. ID	OJ000221_06.0330.C16
Gene No.	97234	Strand	-
Start	1053	End	13752
Name	OJ000221_06.0330.C16.o2.gs	Method	GENSCAN
Start	10275	End	11893
GI	none	Score	.44
Exons	10275..10631, 11822..11893		

Seq. No.	45915	Seq. ID	OJ000221_06.0330.C16
Gene No.	97234	Strand	-
Start	1053	End	13752
Name	OJ000221_06.0330.C16.o4.np	Method	AAT/NAP
Start	11636	End	13752
GI	7523517	Score	324
Exons	11636..11679, 13246..13297, 13442..13752		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	45915	Seq. ID	OJ000221_06.0330.C16
Gene No.	97234	Strand	-
Start	1053	End	13752
Name	OJ000221_06.0330.C16.o3.np	Method	AAT/NAP
Start	11655	End	13752
GI	7523517	Score	309
Exons	11655..11679, 13246..13297, 13442..13752		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	45915	Seq. ID	OJ000221_06.0330.C16
Gene No.	97235	Strand	-
Start	17448	End	18062
Name	OJ000221_06.0330.C16.o4.gs	Method	GENSCAN
Start	17448	End	18062
GI	none	Score	.77
Exons	17448..17535, 17815..18062		

Seq. No.	45916	Seq. ID	OJ000221_06.0330.C21
Gene No.	97236	Strand	-
Start	165	End	416
Name	OJ000221_06.0330.C21.o1.gs	Method	GENSCAN
Start	165	End	416
GI	none	Score	.72
Exons	165..416		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97237	Strand	+
Start	4150	End	13804
Name	OJ000221_06.0330.C22.o2.gs	Method	GENSCAN

Start	4150	End	6201
GI	none	Score	.81
Exons	4150..4244, 5994..6201		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97237	Strand	+
Start	4150	End	13804
Name	OJ000221_06.0330.C22.o2.np	Method	AAT/NAP
Start	5992	End	10052
GI	5852180	Score	645
Exons	5992..6047, 7036..7153, 7205..7617, 8318..8366, 10023..10052		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97237	Strand	+
Start	4150	End	13804
Name	OJ000221_06.0330.C22.o3.np	Method	AAT/NAP
Start	7230	End	7666
GI	4680185	Score	368
Exons	7230..7666		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97237	Strand	+
Start	4150	End	13804
Name	OJ000221_06.0330.C22.o3.gs	Method	GENSCAN
Start	7376	End	7765
GI	none	Score	1
Exons	7376..7765		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97237	Strand	+
Start	4150	End	13804
Name	OJ000221_06.0330.C22.o6.np	Method	AAT/NAP
Start	9011	End	11589
GI	5852180	Score	868
Exons	9011..9059, 9960..10013, 11003..11119, 11171..11589		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97237	Strand	+
Start	4150	End	13804
Name	OJ000221_06.0330.C22.o5.np	Method	AAT/NAP
Start	9218	End	10312
GI	4680186	Score	342
Exons	9218..9271, 10111..10312		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97237	Strand	+
Start	4150	End	13804
Name	OJ000221_06.0330.C22.o5.gs	Method	GENSCAN
Start	10205	End	13804
GI	none	Score	.79
Exons	10205..10383, 11003..11119, 11171..11580, 12489..12524, 12711..12765, 13523..13608, 13777..13804		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97237	Strand	+
Start	4150	End	13804
Name	OJ000221_06.0330.C22.o7.np	Method	AAT/NAP
Start	11197	End	11633
GI	4680185	Score	376
Exons	11197..11633		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97238	Strand	-
Start	456	End	3971
Name	OJ000221_06.0330.C22.o1.gs	Method	GENSCAN
Start	456	End	3968
GI	none	Score	.99
Exons	456..3968		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97238	Strand	-
Start	456	End	3971
Name	OJ000221_06.0330.C22.o1.np	Method	AAT/NAP
Start	463	End	3971
GI	4680179	Score	3885
Exons	463..2852, 2886..3971		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97239	Strand	-
Start	5896	End	6279
Name	OJ000221_06.0330.C22.o1.gp	Method	AAT/GAP
Start	5896	End	6279
GI	uC-osflcyp033a04b1	Score	677
Exons	5896..6279		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97240	Strand	-
Start	7157	End	8972
Name	OJ000221_06.0330.C22.o4.np	Method	AAT/NAP
Start	7157	End	8972
GI	6983858	Score	146
Exons	7157..7204, 8433..8972		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97241	Strand	-
Start	9862	End	10245
Name	OJ000221_06.0330.C22.o3.gp	Method	AAT/GAP
Start	9862	End	10245
GI	uC-osflcyp033a04b1	Score	673
Exons	9862..10245		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22

Gene No.	97242	Strand	-
Start	12421	End	12740
Name	OJ000221_06.0330.C22.o3.tm	Method	TBLASTX:Maize
Start	462	End	812
GI	none	Score	96
Exons	462..812, 463..702		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97242	Strand	-
Start	12421	End	12740
Name	OJ000221_06.0330.C22.o2.ts	Method	TBLASTX:Soybean
Start	463	End	674
GI	none	Score	98
Exons	463..669, 465..674		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97242	Strand	-
Start	12421	End	12740
Name	OJ000221_06.0330.C22.o1.tw	Method	TBLASTX:Wheat
Start	465	End	1040
GI	none	Score	320
Exons	465..1040, 466..1026		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97242	Strand	-
Start	12421	End	12740
Name	OJ000221_06.0330.C22.o1.tm	Method	TBLASTX:Maize
Start	1020	End	1383
GI	none	Score	167
Exons	1020..1382, 1029..1382, 1033..1383		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97242	Strand	-
Start	12421	End	12740
Name	OJ000221_06.0330.C22.o2.tw	Method	TBLASTX:Wheat
Start	1041	End	1454
GI	none	Score	356
Exons	1041..1454, 1042..1422		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97242	Strand	-
Start	12421	End	12740
Name	OJ000221_06.0330.C22.o3.ts	Method	TBLASTX:Soybean
Start	1203	End	1448
GI	none	Score	93
Exons	1203..1448, 1204..1431		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97242	Strand	-
Start	12421	End	12740
Name	OJ000221_06.0330.C22.o2.tm	Method	TBLASTX:Maize
Start	1419	End	1913
GI	none	Score	50
Exons	1419..1733, 1462..1512, 1540..1593, 1740..1913, 1765..1911		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97242	Strand	-

Start	12421	End	12740
Name	OJ000221_06.0330.C22.o4.tw	Method	TBLASTX:Wheat
Start	1455	End	1757
GI	none	Score	192
Exons	1455..1757, 1461..1754, 1471..1755		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97242	Strand	-
Start	12421	End	12740
Name	OJ000221_06.0330.C22.o1.ts	Method	TBLASTX:Soybean
Start	1470	End	1865
GI	none	Score	199
Exons	1470..1829, 1471..1761, 1789..1827, 1833..1865, 1834..1863		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97242	Strand	-
Start	12421	End	12740
Name	OJ000221_06.0330.C22.o3.tw	Method	TBLASTX:Wheat
Start	1806	End	2288
GI	none	Score	244
Exons	1806..2183, 1849..2184, 2238..2288		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97242	Strand	-
Start	12421	End	12740
Name	OJ000221_06.0330.C22.o4.tm	Method	TBLASTX:Maize
Start	1987	End	2276
GI	none	Score	165
Exons	1987..2178, 1989..2276		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97242	Strand	-
Start	12421	End	12740
Name	OJ000221_06.0330.C22.o6.tw	Method	TBLASTX:Wheat
Start	2403	End	2825
GI	none	Score	69
Exons	2403..2570, 2458..2571, 2616..2825, 2617..2769		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97242	Strand	-
Start	12421	End	12740
Name	OJ000221_06.0330.C22.o7.tm	Method	TBLASTX:Maize
Start	2508	End	2861
GI	none	Score	189
Exons	2508..2861		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97242	Strand	-
Start	12421	End	12740
Name	OJ000221_06.0330.C22.o5.tw	Method	TBLASTX:Wheat
Start	3144	End	3495
GI	none	Score	115
Exons	3144..3494, 3301..3495		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97242	Strand	-
Start	12421	End	12740

Name	OJ000221_06.0330.C22.o5.tm	Method	TBLASTX:Maize
Start	3189	End	3494
GI	none	Score	91
Exons	3189..3494, 3316..3480		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97242	Strand	-
Start	12421	End	12740
Name	OJ000221_06.0330.C22.o7.tw	Method	TBLASTX:Wheat
Start	3526	End	3728
GI	none	Score	120
Exons	3526..3726, 3531..3728		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97242	Strand	-
Start	12421	End	12740
Name	OJ000221_06.0330.C22.o6.tm	Method	TBLASTX:Maize
Start	4440	End	5151
GI	none	Score	207
Exons	4440..4652, 4441..4665, 4926..5138, 4927..5151		

Seq. No.	45917	Seq. ID	OJ000221_06.0330.C22
Gene No.	97242	Strand	-
Start	12421	End	12740
Name	OJ000221_06.0330.C22.o8.np	Method	AAT/NAP
Start	12421	End	12740
GI	7523517	Score	288
Exons	12421..12740		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	45918	Seq. ID	OJ000221_06.0330.C23
Gene No.	97243	Strand	+
Start	2091	End	9317
Name	OJ000221_06.0330.C23.o2.np	Method	AAT/NAP
Start	2091	End	9317
GI	5852180	Score	708
Exons	2091..2136, 3214..3330, 3382..3795, 4500..4567, 9271..9317		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	45918	Seq. ID	OJ000221_06.0330.C23
Gene No.	97244	Strand	-
Start	266	End	8317
Name	OJ000221_06.0330.C23.o1.gs	Method	GENSCAN
Start	266	End	8317
GI	none	Score	.45
Exons	266..1325, 3236..3406, 3540..3739, 4554..4582, 5438..5743, 5822..5954, 6914..8317		

Seq. No.	45918	Seq. ID	OJ000221_06.0330.C23
Gene No.	97244	Strand	-
Start	266	End	8317
Name	OJ000221_06.0330.C23.o1.np	Method	AAT/NAP
Start	269	End	4160
GI	6983860	Score	1495
Exons	269..1298, 4136..4160		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	45918	Seq. ID	OJ000221_06.0330.C23
Gene No.	97244	Strand	-
Start	266	End	8317
Name	OJ000221_06.0330.C23.o2.tw	Method	TBLASTX:Wheat
Start	314	End	647
GI	none	Score	118
Exons	314..646, 335..643, 378..647		

Seq. No.	45918	Seq. ID	OJ000221_06.0330.C23
Gene No.	97244	Strand	-
Start	266	End	8317
Name	OJ000221_06.0330.C23.o1.tm	Method	TBLASTX:Maize
Start	494	End	1093
GI	none	Score	209
Exons	494..934, 510..935, 932..1093, 939..1085		

Seq. No.	45918	Seq. ID	OJ000221_06.0330.C23
Gene No.	97244	Strand	-
Start	266	End	8317
Name	OJ000221_06.0330.C23.o1.tw	Method	TBLASTX:Wheat
Start	647	End	1273
GI	none	Score	60
Exons	647..1273, 650..772, 759..1217, 845..1267		

Seq. No.	45918	Seq. ID	OJ000221_06.0330.C23
Gene No.	97244	Strand	-
Start	266	End	8317
Name	OJ000221_06.0330.C23.o2.tm	Method	TBLASTX:Maize
Start	1094	End	1298
GI	none	Score	133
Exons	1094..1294, 1095..1292, 1095..1298		

Seq. No.	45919	Seq. ID	OJ000221_06.0330.C24
Gene No.	97245	Strand	+
Start	64	End	221
Name	OJ000221_06.0330.C24.o1.gs	Method	GENSCAN
Start	64	End	221
GI	none	Score	.53
Exons	64..221		

Seq. No.	45920	Seq. ID	OJ000221_06.0330.C25
Gene No.	97246	Strand	+
Start	341	End	3762
Name	OJ000221_06.0330.C25.o1.gp	Method	AAT/GAP
Start	341	End	1177
GI	3548947	Score	900
Exons	341..810, 1131..1177		

Seq. No.	45920	Seq. ID	OJ000221_06.0330.C25
Gene No.	97246	Strand	+
Start	341	End	3762
Name	OJ000221_06.0330.C25.o1.np	Method	AAT/NAP
Start	466	End	3762
GI	228207	Score	134
Exons	466..633, 1503..1765, 1895..2071, 2181..2292, 3669..3762		
GI Descrip.	tnp1 protein [Antirrhinum majus]		

Seq. No.	45920	Seq. ID	OJ000221_06.0330.C25
Gene No.	97246	Strand	+
Start	341	End	3762
Name	OJ000221_06.0330.C25.o2.gs	Method	GENSCAN
Start	1135	End	3707
GI	none	Score	.91
Exons	1135..1396, 1503..1771, 1868..2071, 2181..2273, 2367..2462, 2546..2890, 3142..3225, 3474..3539, 3642..3707		

Seq. No.	45920	Seq. ID	OJ000221_06.0330.C25
Gene No.	97247	Strand	-
Start	187	End	647
Name	OJ000221_06.0330.C25.o1.gs	Method	GENSCAN
Start	187	End	647
GI	none	Score	.91
Exons	187..425, 554..647		

Seq. No.	45920	Seq. ID	OJ000221_06.0330.C25
Gene No.	97248	Strand	
Start	1522	End	2053
Name	OJ000221_06.0330.C25.o1.tm	Method	TBLASTX:Maize
Start	1522	End	2053
GI	none	Score	264
Exons	1522..1710, 1523..1735, 1715..1774, 1730..1777, 1864..2052, 1866..2012, 1868..2053		

Seq. No.	45920	Seq. ID	OJ000221_06.0330.C25
Gene No.	97249	Strand	
Start	2391	End	2686
Name	OJ000221_06.0330.C25.o2.tm	Method	TBLASTX:Maize
Start	2391	End	2686
GI	none	Score	77
Exons	2391..2471, 2397..2465, 2544..2675, 2545..2646, 2552..2686, 2554..2685		

Seq. No.	45921	Seq. ID	OJ000121_09.0323.C1
Gene No.	97250	Strand	+
Start	476	End	659
Name	OJ000121_09.0323.C1.o1.gp	Method	AAT/GAP
Start	476	End	659
GI	LIB3433-007-Q6-K1-C2	Score	321
Exons	476..659		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	45921	Seq. ID	OJ000121_09.0323.C1
Gene No.	97251	Strand	+
Start	2304	End	3803
Name	OJ000121_09.0323.C1.o2.np	Method	AAT/NAP
Start	2304	End	3803
GI	6815067	Score	70
Exons	2304..2598, 2708..2800, 3666..3803		
GI Descrip.	(AP001080) ESTs AU082210(C53655),AU056546(S20671), AU056545(S20671) correspond to a region of the predicted gene.; Similar to putative RNA-binding protein (AC004261) [Oryza sativa]		

Seq. No.	45921	Seq. ID	OJ000121_09.0323.C1
Gene No.	97252	Strand	-
Start	3081	End	3463
Name	OJ000121_09.0323.C1.o1.ts	Method	TBLASTX:Soybean
Start	409	End	1894
GI	none	Score	112
Exons	409..660, 469..657, 1644..1793, 1649..1894		

Seq. No.	45921	Seq. ID	OJ000121_09.0323.C1
Gene No.	97252	Strand	-
Start	3081	End	3463
Name	OJ000121_09.0323.C1.o1.tc	Method	TBLASTX:Cress
Start	472	End	651
GI	none	Score	124
Exons	472..651, 473..646, 500..631		

Seq. No.	45921	Seq. ID	OJ000121_09.0323.C1
Gene No.	97252	Strand	-
Start	3081	End	3463
Name	OJ000121_09.0323.C1.o1.np	Method	AAT/NAP
Start	3081	End	3463
GI	7242910	Score	72
Exons	3081..3167, 3329..3463		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	45922	Seq. ID	OJ000121_09.0323.C2
Gene No.	97253	Strand	+
Start	388	End	600
Name	OJ000121_09.0323.C2.o1.gs	Method	GENSCAN
Start	388	End	600
GI	none	Score	.9
Exons	388..600		

Seq. No.	45922	Seq. ID	OJ000121_09.0323.C2
Gene No.	97254	Strand	+
Start	4108	End	4241
Name	OJ000121_09.0323.C2.o1.np	Method	AAT/NAP
Start	4108	End	4241
GI	6322091	Score	84
Exons	4108..4241		
GI Descrip.	Yil100wp gi|731849|sp|P40490|YIK0_YEAST HYPOTHETICAL 13.5 KD PROTEIN IN MOB1-SGA1 INTERGENIC REGION gi|626376|pir||S48473 probable membrane protein YIL100w - yeast (Saccharomyces cerevisiae) gi|558707|emb|CAA86281.1| (Z38125) orf, len: 117, CAI: 0.08, better positional base preference calculation than overlapping orf [Saccharomyces cerevisiae]		

Seq. No.	45922	Seq. ID	OJ000121_09.0323.C2
Gene No.	97255	Strand	-
Start	1784	End	2996
Name	OJ000121_09.0323.C2.o2.gs	Method	GENSCAN
Start	1784	End	2996
GI	none	Score	.53
Exons	1784..1923, 2682..2713, 2857..2996		

Seq. No.	45923	Seq. ID	OJ000121_09.0323.C3

Gene No.	97256	Strand	+
Start	2439	End	10367
Name	OJ000121_09.0323.C3.o1.gs	Method	GENSCAN
Start	2439	End	10367
GI	none	Score	.55
Exons	2439..2656, 3799..3887, 4179..4204, 4311..4506, 4679..4755, 4950..5004, 5315..5375, 5487..5559, 5953..6539, 7965..8071, 8622..8646, 9448..9504, 9679..9736, 10221..10367		

Seq. No.	45923	Seq. ID	OJ000121_09.0323.C3
Gene No.	97256	Strand	+
Start	2439	End	10367
Name	OJ000121_09.0323.C3.o1.np	Method	AAT/NAP
Start	4331	End	6526
GI	4835766	Score	476
Exons	4331..4506, 4679..4755, 4950..5015, 5311..5375, 5490..5559, 5953..6526		
GI Descrip.	(AC007202) Contains similarity to gb|AB017693 transfactor (WERBP-1) from Nicotiana tabacum. ESTs gb|H39299, gb|T41875, gb|H38232 and gb|N38325 come from this gene. [Arabidopsis thaliana]		

Seq. No.	45923	Seq. ID	OJ000121_09.0323.C3
Gene No.	97257	Strand	+
Start	10800	End	10908
Name	OJ000121_09.0323.C3.o2.np	Method	AAT/NAP
Start	10800	End	10908
GI	6006359	Score	73
Exons	10800..10908		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	45923	Seq. ID	OJ000121_09.0323.C3
Gene No.	97258	Strand	-
Start	10805	End	10883
Name	OJ000121_09.0323.C3.o1.tc	Method	TBLASTX:Cress
Start	4367	End	5376
GI	none	Score	187
Exons	4367..4507, 4392..4505, 4392..4511, 4678..4755, 4680..4754, 5311..5376		

Seq. No.	45923	Seq. ID	OJ000121_09.0323.C3
Gene No.	97258	Strand	-
Start	10805	End	10883
Name	OJ000121_09.0323.C3.o1.ts	Method	TBLASTX:Soybean
Start	4382	End	5376
GI	none	Score	217
Exons	4382..4507, 4383..4505, 4678..4755, 4680..4754, 4947..4970, 4971..5006, 5311..5376, 5313..5375		

Seq. No.	45923	Seq. ID	OJ000121_09.0323.C3
Gene No.	97258	Strand	-
Start	10805	End	10883
Name	OJ000121_09.0323.C3.o2.gs	Method	GENSCAN
Start	10805	End	10883
GI	none	Score	.79
Exons	10805..10883		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97259	Strand	+
Start	2323	End	5622
Name	OJ000121_09.0323.C4.o1.gp	Method	AAT/GAP
Start	2323	End	3559
GI	41611_1.R1084	Score	981
Exons	2323..2603, 3091..3149, 3276..3350, 3425..3559		
GI Descrip.	'4585976/gb|AAD25612.1|AC005287_14 3.0e-21 (AC005287) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97259	Strand	+
Start	2323	End	5622
Name	OJ000121_09.0323.C4.o1.gs	Method	GENSCAN
Start	2495	End	5375
GI	none	Score	.87
Exons	2495..2603, 3091..3149, 3276..3350, 3425..3541, 3724..3794, 3949..4249, 4466..4655, 5296..5375		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97259	Strand	+
Start	2323	End	5622
Name	OJ000121_09.0323.C4.o1.np	Method	AAT/NAP
Start	2516	End	5347
GI	4585976	Score	1063
Exons	2516..2603, 3091..3149, 3276..3350, 3425..3541, 3724..3794, 3949..4249, 4466..4755, 5296..5347		
GI Descrip.	(AC005287) Unknown protein [Arabidopsis thaliana]		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97259	Strand	+
Start	2323	End	5622
Name	OJ000121_09.0323.C4.o2.gp	Method	AAT/GAP
Start	4046	End	5622
GI	24747_1.R1084	Score	1506
Exons	4046..4249, 4466..4755, 5296..5622		
GI Descrip.	'4585976/gb|AAD25612.1|AC005287_14 2.0e-69 (AC005287) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97260	Strand	+
Start	5847	End	6349
Name	OJ000121_09.0323.C4.o3.gp	Method	AAT/GAP
Start	5847	End	6349
GI	1270_1.R1084	Score	970
Exons	5847..6349		
GI Descrip.	'1362147/pir||S56690 2.0e-17 hypothetical protein (clone AFD1) - wild oat (fragment) >gi_726471 (U19996) putative ORF1 [Avena fatua]'		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97261	Strand	-
Start	6178	End	10094
Name	OJ000121_09.0323.C4.o3.ts	Method	TBLASTX:Soybean
Start	3754	End	4252
GI	none	Score	88
Exons	3754..3798, 3947..4024, 3949..4029, 4025..4252, 4026..4094,		

4030..4146, 4034..4237

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97261	Strand	-
Start	6178	End	10094
Name	OJ000121_09.0323.C4.o2.tm	Method	TBLASTX:Maize
Start	3950	End	5332
GI	none	Score	481
Exons	3950..4258, 3960..4283, 3961..4191, 4143..4256, 4466..4756, 4466..4756, 4467..4757, 5294..5332		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97261	Strand	-
Start	6178	End	10094
Name	OJ000121_09.0323.C4.o1.tc	Method	TBLASTX:Cress
Start	3974	End	5350
GI	none	Score	50
Exons	3974..4024, 4039..4191, 4040..4258, 4046..4228, 4462..4629, 4465..4584, 4466..4756, 4466..4774, 5294..5350		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97261	Strand	-
Start	6178	End	10094
Name	OJ000121_09.0323.C4.o2.ts	Method	TBLASTX:Soybean
Start	4151	End	5524
GI	none	Score	67
Exons	4151..4198, 4462..4740, 4466..4756, 4466..4756, 4527..4757, 5294..5386, 5468..5524		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97261	Strand	-
Start	6178	End	10094
Name	OJ000121_09.0323.C4.o2.gs	Method	GENSCAN
Start	6178	End	10094
GI	none	Score	.58
Exons	6178..6498, 6606..6812, 6915..7192, 7322..7435, 7466..7603, 7877..8022, 8202..8406, 9534..9726, 9767..10094		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97261	Strand	-
Start	6178	End	10094
Name	OJ000121_09.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	6205	End	6665
GI	none	Score	390
Exons	6205..6504, 6206..6496, 6208..6507, 6606..6665, 6610..6663		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97261	Strand	-
Start	6178	End	10094
Name	OJ000121_09.0323.C4.o2.np	Method	AAT/NAP
Start	6205	End	7178
GI	2660676	Score	953
Exons	6205..6495, 6606..6812, 6915..7178		
GI Descrip.	(AC002342) Dreg-2 like protein [Arabidopsis thaliana]		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97261	Strand	-

Start	6178	End	10094
Name	OJ000121_09.0323.C4.o1.ts	Method	TBLASTX:Soybean
Start	6346	End	7196
GI	none	Score	120
Exons	6346..6504, 6347..6508, 6606..6836, 6610..6813, 6884..7135, 6913..7143, 6915..7196, 6916..7173		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97261	Strand	-
Start	6178	End	10094
Name	OJ000121_09.0323.C4.o4.gp	Method	AAT/GAP
Start	6596	End	7608
GI	9573_1.R1084	Score	1132
Exons	6596..6812, 6915..7192, 7466..7608		
GI Descrip.	'2660676 2.0e-67 (AC002342) Dreg-2 like protein [Arabidopsis thaliana]'		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97261	Strand	-
Start	6178	End	10094
Name	OJ000121_09.0323.C4.o3.tm	Method	TBLASTX:Maize
Start	6756	End	7076
GI	none	Score	65
Exons	6756..6836, 6757..6846, 6913..7068, 6915..7076, 6916..7068, 6971..7069		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97261	Strand	-
Start	6178	End	10094
Name	OJ000121_09.0323.C4.o3.np	Method	AAT/NAP
Start	9497	End	10088
GI	4835761	Score	293
Exons	9497..10088		
GI Descrip.	(AC007202) T8K14.10 [Arabidopsis thaliana]		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97261	Strand	-
Start	6178	End	10094
Name	OJ000121_09.0323.C4.o4.tm	Method	TBLASTX:Maize
Start	9530	End	9769
GI	none	Score	156
Exons	9530..9769, 9535..9768		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97261	Strand	-
Start	6178	End	10094
Name	OJ000121_09.0323.C4.o2.tc	Method	TBLASTX:Cress
Start	9533	End	9769
GI	none	Score	42
Exons	9533..9583, 9535..9768, 9608..9769		

Seq. No.	45924	Seq. ID	OJ000121_09.0323.C4
Gene No.	97261	Strand	-
Start	6178	End	10094
Name	OJ000121_09.0323.C4.o4.ts	Method	TBLASTX:Soybean
Start	9533	End	9769
GI	none	Score	129

Exons	9533..9769, 9535..9768		
Seq. No.	45925	Seq. ID	OJ000121_09.0323.C5
Gene No.	97262	Strand	+
Start	11716	End	12333
Name	OJ000121_09.0323.C5.o2.np	Method	AAT/NAP
Start	11716	End	12333
GI	6721559	Score	441
Exons	11716..12170, 12199..12333		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	45925	Seq. ID	OJ000121_09.0323.C5
Gene No.	97263	Strand	-
Start	700	End	2001
Name	OJ000121_09.0323.C5.o1.gs	Method	GENSCAN
Start	700	End	2001
GI	none	Score	.94
Exons	700..762, 1292..1350, 1941..2001		
Seq. No.	45925	Seq. ID	OJ000121_09.0323.C5
Gene No.	97264	Strand	-
Start	3919	End	5694
Name	OJ000121_09.0323.C5.o2.gs	Method	GENSCAN
Start	3919	End	5289
GI	none	Score	.68
Exons	3919..4371, 4392..4503, 4586..5289		
Seq. No.	45925	Seq. ID	OJ000121_09.0323.C5
Gene No.	97264	Strand	-
Start	3919	End	5694
Name	OJ000121_09.0323.C5.o1.np	Method	AAT/NAP
Start	3936	End	5694
GI	4101570	Score	650
Exons	3936..4503, 4586..5262, 5574..5694		
GI Descrip.	(AF004843) stamina pistilloidia [Pisum sativum]		
Seq. No.	45925	Seq. ID	OJ000121_09.0323.C5
Gene No.	97265	Strand	-
Start	8976	End	13883
Name	OJ000121_09.0323.C5.o3.gs	Method	GENSCAN
Start	8976	End	13883
GI	none	Score	.73
Exons	8976..9074, 9569..9692, 10130..10169, 11285..11467, 11517..11582, 11662..11826, 12182..12193, 13880..13883		
Seq. No.	45925	Seq. ID	OJ000121_09.0323.C5
Gene No.	97266	Strand	-
Start	14812	End	14985
Name	OJ000121_09.0323.C5.o4.gs	Method	GENSCAN
Start	14812	End	14985
GI	none	Score	.75
Exons	14812..14985		
Seq. No.	45926	Seq. ID	OJ000121_09.0323.C6
Gene No.	97267	Strand	+

Start	388	End	2089
Name	OJ000121_09.0323.C6.o1.gs	Method	GENSCAN
Start	388	End	2089
GI	none	Score	.44
Exons	388..708, 1985..2089		

Seq. No.	45926	Seq. ID	OJ000121_09.0323.C6
Gene No.	97268	Strand	+
Start	7291	End	7799
Name	OJ000121_09.0323.C6.o3.gs	Method	GENSCAN
Start	7291	End	7799
GI	none	Score	.63
Exons	7291..7480, 7516..7799		

Seq. No.	45926	Seq. ID	OJ000121_09.0323.C6
Gene No.	97269	Strand	-
Start	2391	End	7397
Name	OJ000121_09.0323.C6.o1.gp	Method	AAT/GAP
Start	2391	End	2997
GI	50070_1.R1084	Score	897
Exons	2391..2839, 2947..2997		
GI Descrip.	'2827661/emb|CAA16615.1| 6.0e-13 (AL021637) hyuC-like protein [Arabidopsis thaliana]'		

Seq. No.	45926	Seq. ID	OJ000121_09.0323.C6
Gene No.	97269	Strand	-
Start	2391	End	7397
Name	OJ000121_09.0323.C6.o2.gs	Method	GENSCAN
Start	2513	End	6561
GI	none	Score	.44
Exons	2513..2839, 2947..3072, 3176..3415, 4085..4171, 4262..4367, 4453..4562, 5268..5352, 5435..5538, 6272..6354, 6471..6561		

Seq. No.	45926	Seq. ID	OJ000121_09.0323.C6
Gene No.	97269	Strand	-
Start	2391	End	7397
Name	OJ000121_09.0323.C6.o1.np	Method	AAT/NAP
Start	2549	End	7397
GI	7228243	Score	1130
Exons	2549..2839, 2947..3072, 3176..3415, 4085..4171, 4262..4367, 4453..4562, 5050..5166, 5268..5352, 5435..5538, 6272..6378, 6467..6599, 7316..7397		
GI Descrip.	(AL021637) hyuC-like protein [Arabidopsis thaliana] gi|7268802|emb|CAB79007.1| (AL161552) hyuC-like protein [Arabidopsis thaliana]		

Seq. No.	45926	Seq. ID	OJ000121_09.0323.C6
Gene No.	97269	Strand	-
Start	2391	End	7397
Name	OJ000121_09.0323.C6.o2.gp	Method	AAT/GAP
Start	3291	End	6619
GI	48621_1.R1084	Score	1702
Exons	3291..3415, 4085..4171, 4262..4367, 4453..4562, 5050..5166, 5268..5352, 5435..5538, 6272..6354, 6471..6619		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	45926	Seq. ID	OJ000121_09.0323.C6
Gene No.	97270	Strand	-
Start	8252	End	14166
Name	OJ000121_09.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	2546	End	5121
GI	none	Score	109
Exons	2546..2629, 2552..2740, 2553..2771, 2735..2842, 2947..3075, 2951..3073, 3173..3415, 3174..3416, 3250..3417, 3295..3417, 4074..4172, 4082..4171, 4083..4172, 4091..4174, 4255..4368, 4256..4369, 4260..4370, 4260..4370, 4445..4564, 4453..4563, 4455..4583, 4455..4583, 5044..5115, 5047..5121		

Seq. No.	45926	Seq. ID	OJ000121_09.0323.C6
Gene No.	97270	Strand	-
Start	8252	End	14166
Name	OJ000121_09.0323.C6.o1.tc	Method	TBLASTX:Cress
Start	2558	End	2726
GI	none	Score	164
Exons	2558..2725, 2577..2726		

Seq. No.	45926	Seq. ID	OJ000121_09.0323.C6
Gene No.	97270	Strand	-
Start	8252	End	14166
Name	OJ000121_09.0323.C6.o1.ts	Method	TBLASTX:Soybean
Start	2558	End	3310
GI	none	Score	175
Exons	2558..2731, 2577..2732, 2947..3075, 2951..3073, 3168..3236, 3173..3244, 3230..3310		

Seq. No.	45926	Seq. ID	OJ000121_09.0323.C6
Gene No.	97270	Strand	-
Start	8252	End	14166
Name	OJ000121_09.0323.C6.o2.ts	Method	TBLASTX:Soybean
Start	3350	End	6325
GI	none	Score	63
Exons	3350..3415, 3351..3416, 4082..4126, 4083..4121, 4119..4172, 4127..4171, 4256..4357, 4260..4370, 4450..4563, 4452..4565, 4454..4567, 5047..5199, 5086..5166, 5097..5168, 5099..5209, 5263..5340, 5268..5351, 5435..5533, 5443..5547, 6269..6325		

Seq. No.	45926	Seq. ID	OJ000121_09.0323.C6
Gene No.	97270	Strand	-
Start	8252	End	14166
Name	OJ000121_09.0323.C6.o2.tc	Method	TBLASTX:Cress
Start	4085	End	5547
GI	none	Score	42
Exons	4085..4120, 4098..4121, 4124..4174, 4148..4171, 4256..4369, 4260..4370, 4453..4563, 4455..4565, 5047..5199, 5074..5166, 5090..5188, 5268..5351, 5275..5358, 5432..5518, 5443..5547		

Seq. No.	45926	Seq. ID	OJ000121_09.0323.C6
Gene No.	97270	Strand	-
Start	8252	End	14166
Name	OJ000121_09.0323.C6.o2.tm	Method	TBLASTX:Maize
Start	5134	End	6328
GI	none	Score	100
Exons	5134..5196, 5253..5351, 5263..5355, 5266..5343, 5267..5350,		

5268..5351, 5408..5539, 5432..5539, 5434..5541, 5443..5547,
6269..6325, 6272..6328

Seq. No.	45926	Seq. ID	OJ000121_09.0323.C6
Gene No.	97270	Strand	-
Start	8252	End	14166
Name	OJ000121_09.0323.C6.o4.gs	Method	GENSCAN
Start	8252	End	14166
GI	none	Score	.44
Exons	8252..8407, 12502..12575, 12871..13074, 13362..13516, 13611..14002, 14116..14166		

Seq. No.	45927	Seq. ID	OJ000121_09.0323.C7
Gene No.	97271	Strand	-
Start	9739	End	18062
Name	OJ000121_09.0323.C7.o2.tm	Method	TBLASTX:Maize
Start	6964	End	10377
GI	none	Score	252
Exons	6964..7170, 6985..7041, 6987..7178, 6987..7178, 10028..10099, 10033..10185, 10035..10376, 10035..10376, 10036..10377		

Seq. No.	45927	Seq. ID	OJ000121_09.0323.C7
Gene No.	97271	Strand	-
Start	9739	End	18062
Name	OJ000121_09.0323.C7.o1.tc	Method	TBLASTX:Cress
Start	6975	End	10517
GI	none	Score	95
Exons	6975..7178, 6987..7178, 6988..7179, 10015..10266, 10023..10268, 10254..10517, 10255..10515		

Seq. No.	45927	Seq. ID	OJ000121_09.0323.C7
Gene No.	97271	Strand	-
Start	9739	End	18062
Name	OJ000121_09.0323.C7.o1.ts	Method	TBLASTX:Soybean
Start	6993	End	11105
GI	none	Score	178
Exons	6993..7178, 6994..7170, 10041..10514, 10042..10512, 10398..10514, 10601..10891, 10608..10868, 10998..11105, 11005..11073		

Seq. No.	45927	Seq. ID	OJ000121_09.0323.C7
Gene No.	97271	Strand	-
Start	9739	End	18062
Name	OJ000121_09.0323.C7.o2.gs	Method	GENSCAN
Start	9739	End	18062
GI	none	Score	.7
Exons	9739..9895, 10084..10511, 10610..10867, 11007..11207, 11408..11661, 11735..11750, 12421..12746, 12918..13014, 13856..14470, 15743..16030, 17871..18062		

Seq. No.	45927	Seq. ID	OJ000121_09.0323.C7
Gene No.	97271	Strand	-
Start	9739	End	18062
Name	OJ000121_09.0323.C7.o1.np	Method	AAT/NAP
Start	10038	End	16057
GI	4760370	Score	3067
Exons	10038..10511, 10610..10867, 11007..11207, 11408..11750,		

	11840..11897, 12421..12746, 12918..13347, 13856..14470, 15743..16057
GI Descrip.	(AF082565) ATP dependent copper transporter [Arabidopsis thaliana] gi|4760380|gb|AAD29115.1| (AF091112) ATP dependent copper transporter [Arabidopsis thaliana] gi|6850337|gb|AAC79141.2| (AC002342) ATP dependent copper transporter (RAN1) [Arabidopsis thaliana]

Seq. No.	45927	Seq. ID	OJ000121_09.0323.C7
Gene No.	97271	Strand	-
Start	9739	End	18062
Name	OJ000121_09.0323.C7.o1.tw	Method	TBLASTX:Wheat
Start	10212	End	10747
GI	none	Score	70
Exons	10212..10490, 10601..10747		

Seq. No.	45927	Seq. ID	OJ000121_09.0323.C7
Gene No.	97271	Strand	-
Start	9739	End	18062
Name	OJ000121_09.0323.C7.o1.gp	Method	AAT/GAP
Start	10262	End	10769
GI	LIB3433-055-P1-K1-C9	Score	762
Exons	10262..10511, 10610..10769		
GI Descrip.	'2660670 6.0e-60 (AC002342) putative Cu2+-transporting ATPase [Arabidopsis thaliana]'		

Seq. No.	45927	Seq. ID	OJ000121_09.0323.C7
Gene No.	97271	Strand	-
Start	9739	End	18062
Name	OJ000121_09.0323.C7.o3.tm	Method	TBLASTX:Maize
Start	10398	End	10813
GI	none	Score	148
Exons	10398..10514, 10399..10512, 10441..10524, 10598..10813, 10601..10813		

Seq. No.	45927	Seq. ID	OJ000121_09.0323.C7
Gene No.	97271	Strand	-
Start	9739	End	18062
Name	OJ000121_09.0323.C7.o3.tc	Method	TBLASTX:Cress
Start	10601	End	14359
GI	none	Score	146
Exons	10601..10804, 10989..11063, 11163..11228, 11471..11644, 11472..11684, 12415..12531, 14264..14359		

Seq. No.	45927	Seq. ID	OJ000121_09.0323.C7
Gene No.	97271	Strand	-
Start	9739	End	18062
Name	OJ000121_09.0323.C7.o6.tm	Method	TBLASTX:Maize
Start	10992	End	11217
GI	none	Score	221
Exons	10992..11213, 10998..11213, 11005..11217, 11006..11215		

Seq. No.	45927	Seq. ID	OJ000121_09.0323.C7
Gene No.	97271	Strand	-
Start	9739	End	18062
Name	OJ000121_09.0323.C7.o2.ts	Method	TBLASTX:Soybean
Start	11121	End	12630

GI	none	Score	80
Exons	11121..11225, 11146..11217, 11403..11690, 11406..11555, 11408..11755, 11624..11758, 11842..11910, 11871..11909, 12409..12630, 12413..12625		

Seq. No.	45927	Seq. ID	OJ000121_09.0323.C7
Gene No.	97271	Strand	-
Start	9739	End	18062
Name	OJ000121_09.0323.C7.o1.tm	Method	TBLASTX:Maize
Start	11403	End	12652
GI	none	Score	452
Exons	11403..11750, 11408..11758, 11408..11749, 11689..11751, 11838..11870, 11839..11871, 11871..11909, 11872..11910, 12409..12651, 12413..12652		

Seq. No.	45927	Seq. ID	OJ000121_09.0323.C7
Gene No.	97271	Strand	-
Start	9739	End	18062
Name	OJ000121_09.0323.C7.o2.tc	Method	TBLASTX:Cress
Start	12533	End	13018
GI	none	Score	222
Exons	12533..12748, 12535..12744, 12536..12745, 12597..12758, 12916..13017, 12917..13018		

Seq. No.	45927	Seq. ID	OJ000121_09.0323.C7
Gene No.	97271	Strand	-
Start	9739	End	18062
Name	OJ000121_09.0323.C7.o2.gp	Method	AAT/GAP
Start	12684	End	13360
GI	uC-osroM202006b06b1	Score	976
Exons	12684..12746, 12918..13360		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	45927	Seq. ID	OJ000121_09.0323.C7
Gene No.	97271	Strand	-
Start	9739	End	18062
Name	OJ000121_09.0323.C7.o5.tm	Method	TBLASTX:Maize
Start	12922	End	13124
GI	none	Score	272
Exons	12922..13122, 12923..13123, 13002..13124		

Seq. No.	45927	Seq. ID	OJ000121_09.0323.C7
Gene No.	97271	Strand	-
Start	9739	End	18062
Name	OJ000121_09.0323.C7.o7.tm	Method	TBLASTX:Maize
Start	13188	End	13366
GI	none	Score	192
Exons	13188..13355, 13189..13356, 13189..13362, 13211..13366		

Seq. No.	45927	Seq. ID	OJ000121_09.0323.C7
Gene No.	97271	Strand	-
Start	9739	End	18062
Name	OJ000121_09.0323.C7.o4.tm	Method	TBLASTX:Maize
Start	13976	End	14428
GI	none	Score	243
Exons	13976..14110, 14153..14428, 14154..14402		

Seq. No.	45928	Seq. ID	OJ000121_09.0323.C9
Gene No.	97272	Strand	+
Start	968	End	1828
Name	OJ000121_09.0323.C9.o1.gp	Method	AAT/GAP
Start	968	End	1520
GI	17481_1.R1084	Score	351
Exons	968..1014, 1131..1225, 1428..1520		
GI Descrip.	'3033396 8.0e-21 (AC004238) unknown protein [Arabidopsis thaliana]'		

Seq. No.	45928	Seq. ID	OJ000121_09.0323.C9
Gene No.	97272	Strand	+
Start	968	End	1828
Name	OJ000121_09.0323.C9.o1.gs	Method	GENSCAN
Start	970	End	1828
GI	none	Score	.55
Exons	970..1014, 1131..1225, 1729..1828		

Seq. No.	45928	Seq. ID	OJ000121_09.0323.C9
Gene No.	97272	Strand	+
Start	968	End	1828
Name	OJ000121_09.0323.C9.o2.gp	Method	AAT/GAP
Start	1579	End	1693
GI	uC-osflcyp142d10b1	Score	204
Exons	1579..1693		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97273	Strand	+
Start	1745	End	7843
Name	OJ000121_09.0323.C10.o1.gs	Method	GENSCAN
Start	1745	End	7843
GI	none	Score	.9
Exons	1745..4665, 4762..7843		

Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97273	Strand	+
Start	1745	End	7843
Name	OJ000121_09.0323.C10.o1.np	Method	AAT/NAP
Start	1745	End	7807
GI	5922631	Score	6681
Exons	1745..1869, 2128..2375, 2610..2819, 2865..3429, 3472..3623, 3750..4673, 5280..7807		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97274	Strand	-
Start	1548	End	1702
Name	OJ000121_09.0323.C10.o1.gp	Method	AAT/GAP

Start	1548	End	1702
GI	uC-osflcyp177g01a1	Score	254
Exons	1548..1702		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97275	Strand	-
Start	8175	End	13103
Name	OJ000121_09.0323.C10.o2.gs	Method	GENSCAN
Start	8175	End	13103
GI	none	Score	.49
Exons	8175..8455, 8494..8622, 8695..8799, 8872..8985, 9124..9324, 9399..9737, 9771..10074, 10161..11307, 12519..12634, 12666..12885, 12982..13103		

Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97275	Strand	-
Start	8175	End	13103
Name	OJ000121_09.0323.C10.o2.np	Method	AAT/NAP
Start	8178	End	11045
GI	6691716	Score	2332
Exons	8178..8622, 8695..8807, 8958..9061, 9137..9310, 9397..9703, 9785..9963, 10161..11045		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o8.tw	Method	TBLASTX:Wheat
Start	1217	End	5971
GI	none	Score	55
Exons	1217..1324, 5689..5766, 5690..5971, 5825..5959		

Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o7.tw	Method	TBLASTX:Wheat
Start	3034	End	3436
GI	none	Score	294
Exons	3034..3303, 3035..3436		

Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o6.tw	Method	TBLASTX:Wheat
Start	4013	End	4470
GI	none	Score	149
Exons	4013..4189, 4234..4470, 4238..4468		

Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o1.tw	Method	TBLASTX:Wheat
Start	4690	End	5146

GI	none	Score	497
Exons	4690..5145, 4691..5146		
Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o3.ts	Method	TBLASTX:Soybean
Start	4730	End	5095
GI	none	Score	138
Exons	4730..4954, 4961..5095		
Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o2.tm	Method	TBLASTX:Maize
Start	4820	End	5176
GI	none	Score	375
Exons	4820..5176, 4861..5166		
Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o2.tw	Method	TBLASTX:Wheat
Start	5261	End	5685
GI	none	Score	443
Exons	5261..5680, 5305..5685		
Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o1.ts	Method	TBLASTX:Soybean
Start	5339	End	5740
GI	none	Score	314
Exons	5339..5740, 5356..5499, 5536..5706		
Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o3.tm	Method	TBLASTX:Maize
Start	5407	End	5851
GI	none	Score	276
Exons	5407..5661, 5408..5662, 5683..5814, 5684..5827, 5825..5851		
Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o2.ts	Method	TBLASTX:Soybean
Start	5966	End	6354
GI	none	Score	86
Exons	5966..6070, 5974..6060, 6106..6354, 6110..6352		
Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o4.tw	Method	TBLASTX:Wheat
Start	5975	End	6397
GI	none	Score	413

Exons	5975..6397, 5983..6387		
Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o5.tm	Method	TBLASTX:Maize
Start	6227	End	6481
GI	none	Score	193
Exons	6227..6481		
Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o10.tw	Method	TBLASTX:Wheat
Start	6413	End	6712
GI	none	Score	133
Exons	6413..6547, 6581..6712		
Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	6710	End	7072
GI	none	Score	446
Exons	6710..7033, 6730..7053, 6730..7020, 7024..7071, 7025..7072		
Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o3.tw	Method	TBLASTX:Wheat
Start	6715	End	7102
GI	none	Score	419
Exons	6715..7026, 6716..7102, 6917..7102		
Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o6.tm	Method	TBLASTX:Maize
Start	7174	End	7447
GI	none	Score	95
Exons	7174..7281, 7175..7273, 7264..7338, 7268..7351, 7361..7447		
Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o5.tw	Method	TBLASTX:Wheat
Start	7217	End	7831
GI	none	Score	273
Exons	7217..7495, 7237..7326, 7378..7479, 7550..7708, 7694..7831		
Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o4.tm	Method	TBLASTX:Maize
Start	7562	End	7792
GI	none	Score	145
Exons	7562..7711, 7651..7710, 7690..7791, 7691..7792		

Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o9.tw	Method	TBLASTX:Wheat
Start	10635	End	10925
GI	none	Score	221
Exons	10635..10925		

Seq. No.	45929	Seq. ID	OJ000121_09.0323.C10
Gene No.	97276	Strand	-
Start	16118	End	17732
Name	OJ000121_09.0323.C10.o3.gs	Method	GENSCAN
Start	16118	End	17732
GI	none	Score	.77
Exons	16118..16230, 17720..17732		

Seq. No.	45930	Seq. ID	OJ000121_09.0323.C11
Gene No.	97277	Strand	+
Start	704	End	6661
Name	OJ000121_09.0323.C11.o1.gs	Method	GENSCAN
Start	704	End	6661
GI	none	Score	.59
Exons	704..777, 2399..2545, 2876..3021, 4049..4230, 4354..4410, 4513..4701, 5430..5504, 5600..5740, 6263..6661		

Seq. No.	45930	Seq. ID	OJ000121_09.0323.C11
Gene No.	97277	Strand	+
Start	704	End	6661
Name	OJ000121_09.0323.C11.o1.np	Method	AAT/NAP
Start	2814	End	6658
GI	4982519	Score	483
Exons	2814..3021, 5430..5504, 5600..5740, 6263..6329, 6357..6486, 6559..6658		
GI Descrip.	(AC000107) F17F8.25 [Arabidopsis thaliana]		

Seq. No.	45930	Seq. ID	OJ000121_09.0323.C11
Gene No.	97277	Strand	+
Start	704	End	6661
Name	OJ000121_09.0323.C11.o1.gp	Method	AAT/GAP
Start	3870	End	4288
GI	94783_1.R1084	Score	815
Exons	3870..4288		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	45930	Seq. ID	OJ000121_09.0323.C11
Gene No.	97278	Strand	-
Start	6589	End	7029
Name	OJ000121_09.0323.C11.o2.gp	Method	AAT/GAP
Start	6589	End	7029
GI	5004350	Score	867
Exons	6589..7029		

Seq. No.	45930	Seq. ID	OJ000121_09.0323.C11
Gene No.	97279	Strand	-
Start	8724	End	10171

Name	OJ000121_09.0323.C11.o1.ts	Method	TBLASTX:Soybean
Start	2860	End	3024
GI	none	Score	214
Exons	2860..3024, 2862..3002		

Seq. No.	45930	Seq. ID	OJ000121_09.0323.C11
Gene No.	97279	Strand	-
Start	8724	End	10171
Name	OJ000121_09.0323.C11.o2.gs	Method	GENSCAN
Start	8724	End	10171
GI	none	Score	.66
Exons	8724..9089, 10073..10171		

Seq. No.	45931	Seq. ID	OJ000121_09.0323.C12
Gene No.	97280	Strand	-
Start	2776	End	3648
Name	OJ000121_09.0323.C12.o1.gs	Method	GENSCAN
Start	2776	End	3648
GI	none	Score	.76
Exons	2776..2948, 3519..3648		

Seq. No.	45932	Seq. ID	OJ000121_09.0323.C13
Gene No.	97281	Strand	+
Start	1	End	2137
Name	OJ000121_09.0323.C13.o1.np	Method	AAT/NAP
Start	1	End	2137
GI	4432866	Score	240
Exons	1..84, 1539..2137		
GI Descrip.	(AC006300) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	45932	Seq. ID	OJ000121_09.0323.C13
Gene No.	97281	Strand	+
Start	1	End	2137
Name	OJ000121_09.0323.C13.o1.gs	Method	GENSCAN
Start	318	End	937
GI	none	Score	.42
Exons	318..527, 641..937		

Seq. No.	45932	Seq. ID	OJ000121_09.0323.C13
Gene No.	97281	Strand	+
Start	1	End	2137
Name	OJ000121_09.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	1571	End	2136
GI	none	Score	64
Exons	1571..1798, 1575..1679, 1576..1824, 1583..2032, 1867..2028, 2035..2136, 2049..2123		

Seq. No.	45932	Seq. ID	OJ000121_09.0323.C13
Gene No.	97281	Strand	+
Start	1	End	2137
Name	OJ000121_09.0323.C13.o1.tw	Method	TBLASTX:Wheat
Start	1678	End	2020
GI	none	Score	178
Exons	1678..1824, 1682..1867, 1868..2020, 1879..2019		

Seq. No.	45933	Seq. ID	OJ000121_09.0323.C14

Gene No.	97282	Strand	+
Start	59	End	802
Name	OJ000121_09.0323.C14.o1.gs	Method	GENSCAN
Start	59	End	802
GI	none	Score	.5
Exons	59..802		

Seq. No.	45933	Seq. ID	OJ000121_09.0323.C14
Gene No.	97283	Strand	-
Start	2248	End	2595
Name	OJ000121_09.0323.C14.o1.tw	Method	TBLASTX:Wheat
Start	293	End	706
GI	none	Score	238
Exons	293..706		

Seq. No.	45933	Seq. ID	OJ000121_09.0323.C14
Gene No.	97283	Strand	-
Start	2248	End	2595
Name	OJ000121_09.0323.C14.o2.gs	Method	GENSCAN
Start	2248	End	2595
GI	none	Score	.69
Exons	2248..2595		

Seq. No.	45934	Seq. ID	OJ000121_09.0323.C15
Gene No.	97284	Strand	+
Start	1844	End	2145
Name	OJ000121_09.0323.C15.o2.gs	Method	GENSCAN
Start	1844	End	2145
GI	none	Score	.95
Exons	1844..1901, 2012..2145		

Seq. No.	45934	Seq. ID	OJ000121_09.0323.C15
Gene No.	97285	Strand	-
Start	2574	End	3441
Name	OJ000121_09.0323.C15.o1.np	Method	AAT/NAP
Start	2430	End	3441
GI	7228450	Score	236
Exons	2430..2543, 2646..2785, 2929..2989, 3384..3441		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	45934	Seq. ID	OJ000121_09.0323.C15
Gene No.	97285	Strand	-
Start	2574	End	3441
Name	OJ000121_09.0323.C15.o3.gs	Method	GENSCAN
Start	2574	End	2708
GI	none	Score	.81
Exons	2574..2708		

Seq. No.	45935	Seq. ID	OJ000121_09.0323.C16
Gene No.	97286	Strand	+
Start	6258	End	8320
Name	OJ000121_09.0323.C16.o2.tw	Method	TBLASTX:Wheat
Start	5274	End	5561
GI	none	Score	188
Exons	5274..5561		

Seq. No.	45935	Seq. ID	OJ000121_09.0323.C16

Gene No.	97286	Strand	+
Start	6258	End	8320
Name	OJ000121_09.0323.C16.o2.tm	Method	TBLASTX:Maize
Start	5637	End	6083
GI	none	Score	385
Exons	5637..6083, 5652..5972, 5807..6043		

Seq. No.	45935	Seq. ID	OJ000121_09.0323.C16
Gene No.	97286	Strand	+
Start	6258	End	8320
Name	OJ000121_09.0323.C16.o1.tm	Method	TBLASTX:Maize
Start	6239	End	6665
GI	none	Score	475
Exons	6239..6391, 6249..6665, 6417..6620, 6467..6664		

Seq. No.	45935	Seq. ID	OJ000121_09.0323.C16
Gene No.	97286	Strand	+
Start	6258	End	8320
Name	OJ000121_09.0323.C16.o1.np	Method	AAT/NAP
Start	6258	End	8320
GI	6069646	Score	951
Exons	6258..7057, 7339..8320		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	45935	Seq. ID	OJ000121_09.0323.C16
Gene No.	97286	Strand	+
Start	6258	End	8320
Name	OJ000121_09.0323.C16.o3.tw	Method	TBLASTX:Wheat
Start	6288	End	6494
GI	none	Score	177
Exons	6288..6494		

Seq. No.	45935	Seq. ID	OJ000121_09.0323.C16
Gene No.	97286	Strand	+
Start	6258	End	8320
Name	OJ000121_09.0323.C16.o3.tm	Method	TBLASTX:Maize
Start	6668	End	7278
GI	none	Score	140
Exons	6668..6787, 6669..6848, 6826..6867, 6853..7056, 6854..7090, 7096..7278		

Seq. No.	45935	Seq. ID	OJ000121_09.0323.C16
Gene No.	97286	Strand	+
Start	6258	End	8320
Name	OJ000121_09.0323.C16.o1.ts	Method	TBLASTX:Soybean
Start	6899	End	7415
GI	none	Score	80
Exons	6899..7057, 7093..7248, 7252..7278, 7275..7415, 7309..7407		

Seq. No.	45935	Seq. ID	OJ000121_09.0323.C16
Gene No.	97286	Strand	+
Start	6258	End	8320
Name	OJ000121_09.0323.C16.o1.tw	Method	TBLASTX:Wheat

Start	6916	End	7359
GI	none	Score	181
Exons	6916..7083, 6917..7090, 7093..7221, 7234..7359, 7266..7355		

Seq. No.	45935	Seq. ID	OJ000121_09.0323.C16
Gene No.	97286	Strand	+
Start	6258	End	8320
Name	OJ000121_09.0323.C16.o5.tm	Method	TBLASTX:Maize
Start	7335	End	7617
GI	none	Score	183
Exons	7335..7514, 7336..7515, 7522..7617		

Seq. No.	45935	Seq. ID	OJ000121_09.0323.C16
Gene No.	97286	Strand	+
Start	6258	End	8320
Name	OJ000121_09.0323.C16.o4.tm	Method	TBLASTX:Maize
Start	7734	End	8048
GI	none	Score	244
Exons	7734..8048, 7778..8008		

Seq. No.	45936	Seq. ID	OJ000121_09.0323.C19
Gene No.	97287	Strand	+
Start	68	End	214
Name	OJ000121_09.0323.C19.o1.gp	Method	AAT/GAP
Start	68	End	214
GI	17481_1.R1084	Score	255
Exons	68..214		
GI Descrip.	'3033396 8.0e-21 (AC004238) unknown protein [Arabidopsis thaliana]'		

Seq. No.	45936	Seq. ID	OJ000121_09.0323.C19
Gene No.	97288	Strand	-
Start	71	End	248
Name	OJ000121_09.0323.C19.o1.gs	Method	GENSCAN
Start	71	End	248
GI	none	Score	.97
Exons	71..248		

Seq. No.	45937	Seq. ID	OJ000211_08.0323.C2
Gene No.	97289	Strand	-
Start	312	End	2110
Name	OJ000211_08.0323.C2.o1.np	Method	AAT/NAP
Start	312	End	2110
GI	7523514	Score	2357
Exons	312..499, 785..842, 926..2110		
GI Descrip.	(AP001633) Similar to Arabidopsis thaliana chromosome II BAC F19I3 genomic sequence; putative RING3 protein (AC004238) [Oryza sativa]		

Seq. No.	45937	Seq. ID	OJ000211_08.0323.C2
Gene No.	97289	Strand	-
Start	312	End	2110
Name	OJ000211_08.0323.C2.o1.gs	Method	GENSCAN
Start	338	End	2000
GI	none	Score	.94
Exons	338..499, 785..842, 926..2000		

Seq. No.	45937	Seq. ID	OJ000211_08.0323.C2
Gene No.	97290	Strand	-
Start	2021	End	2110
Name	OJ000211_08.0323.C2.o3.tm	Method	TBLASTX:Maize
Start	329	End	824
GI	none	Score	129
Exons	329..412, 335..415, 339..437, 521..664, 536..664, 588..671, 786..824		

Seq. No.	45937	Seq. ID	OJ000211_08.0323.C2
Gene No.	97290	Strand	-
Start	2021	End	2110
Name	OJ000211_08.0323.C2.o2.tm	Method	TBLASTX:Maize
Start	1028	End	1240
GI	none	Score	152
Exons	1028..1240, 1037..1240		

Seq. No.	45937	Seq. ID	OJ000211_08.0323.C2
Gene No.	97290	Strand	-
Start	2021	End	2110
Name	OJ000211_08.0323.C2.o1.ts	Method	TBLASTX:Soybean
Start	1033	End	1321
GI	none	Score	108
Exons	1033..1101, 1037..1321, 1039..1218, 1080..1265		

Seq. No.	45937	Seq. ID	OJ000211_08.0323.C2
Gene No.	97290	Strand	-
Start	2021	End	2110
Name	OJ000211_08.0323.C2.o1.tc	Method	TBLASTX:Cress
Start	1100	End	1348
GI	none	Score	78
Exons	1100..1348, 1115..1252		

Seq. No.	45937	Seq. ID	OJ000211_08.0323.C2
Gene No.	97290	Strand	-
Start	2021	End	2110
Name	OJ000211_08.0323.C2.o2.ts	Method	TBLASTX:Soybean
Start	1463	End	1769
GI	none	Score	225
Exons	1463..1768, 1464..1769		

Seq. No.	45937	Seq. ID	OJ000211_08.0323.C2
Gene No.	97290	Strand	-
Start	2021	End	2110
Name	OJ000211_08.0323.C2.o2.tc	Method	TBLASTX:Cress
Start	1469	End	1771
GI	none	Score	84
Exons	1469..1678, 1542..1679, 1688..1771, 1689..1763		

Seq. No.	45937	Seq. ID	OJ000211_08.0323.C2
Gene No.	97290	Strand	-
Start	2021	End	2110
Name	OJ000211_08.0323.C2.o1.tm	Method	TBLASTX:Maize
Start	1522	End	1850
GI	none	Score	364
Exons	1522..1614, 1523..1792, 1524..1790, 1770..1850		

Seq. No.	45937	Seq. ID	OJ000211_08.0323.C2
Gene No.	97290	Strand	-
Start	2021	End	2110
Name	OJ000211_08.0323.C2.o1.gp	Method	AAT/GAP
Start	2021	End	2110
GI	none	Score	161
Exons	2021..2110		

Seq. No.	45938	Seq. ID	OJ000211_08.0323.C3
Gene No.	97291	Strand	+
Start	2372	End	2774
Name	OJ000211_08.0323.C3.o1.tm	Method	TBLASTX:Maize
Start	2354	End	2729
GI	none	Score	39
Exons	2354..2404, 2355..2390, 2372..2470, 2377..2466, 2535..2588, 2536..2580, 2537..2608, 2538..2612, 2657..2728, 2658..2729		

Seq. No.	45938	Seq. ID	OJ000211_08.0323.C3
Gene No.	97291	Strand	+
Start	2372	End	2774
Name	OJ000211_08.0323.C3.o1.tc	Method	TBLASTX:Cress
Start	2369	End	2774
GI	none	Score	125
Exons	2369..2470, 2371..2469, 2552..2605, 2553..2612, 2660..2737, 2661..2774		

Seq. No.	45938	Seq. ID	OJ000211_08.0323.C3
Gene No.	97291	Strand	+
Start	2372	End	2774
Name	OJ000211_08.0323.C3.o1.ts	Method	TBLASTX:Soybean
Start	2371	End	2774
GI	none	Score	100
Exons	2371..2451, 2372..2470, 2552..2599, 2553..2612, 2660..2734, 2661..2774		

Seq. No.	45938	Seq. ID	OJ000211_08.0323.C3
Gene No.	97291	Strand	+
Start	2372	End	2774
Name	OJ000211_08.0323.C3.o1.gs	Method	GENSCAN
Start	2372	End	2708
GI	none	Score	.92
Exons	2372..2470, 2553..2708		

Seq. No.	45938	Seq. ID	OJ000211_08.0323.C3
Gene No.	97291	Strand	+
Start	2372	End	2774
Name	OJ000211_08.0323.C3.o1.np	Method	AAT/NAP
Start	2372	End	2774
GI	7523515	Score	518
Exons	2372..2470, 2553..2774		
GI Descrip.	(AP001633) ESTs AU083470(E11568),C20136(E11568) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F16M14 genomic sequence; unknown protein (AC003028) [Oryza sativa]		

Seq. No.	45938	Seq. ID	OJ000211_08.0323.C3
Gene No.	97291	Strand	+

Start	2372	End	2774
Name	OJ000211_08.0323.C3.o1.tw	Method	TBLASTX:Wheat
Start	2372	End	2771
GI	none	Score	121
Exons	2372..2467, 2375..2407, 2377..2466, 2553..2603, 2661..2771		

Seq. No.	45939	Seq. ID	OJ000211_08.0323.C4
Gene No.	97292	Strand	+
Start	1	End	1465
Name	OJ000211_08.0323.C4.o1.np	Method	AAT/NAP
Start	1	End	1131
GI	7523515	Score	529
Exons	1..39, 148..322, 975..1131		
GI Descrip.	(AP001633) ESTs AU083470(E11568),C20136(E11568) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F16M14 genomic sequence; unknown protein (AC003028) [Oryza sativa]		

Seq. No.	45939	Seq. ID	OJ000211_08.0323.C4
Gene No.	97292	Strand	+
Start	1	End	1465
Name	OJ000211_08.0323.C4.o1.gs	Method	GENSCAN
Start	155	End	1134
GI	none	Score	.96
Exons	155..322, 975..1134		

Seq. No.	45939	Seq. ID	OJ000211_08.0323.C4
Gene No.	97292	Strand	+
Start	1	End	1465
Name	OJ000211_08.0323.C4.o1.gp	Method	AAT/GAP
Start	293	End	1465
GI	none	Score	938
Exons	293..322, 975..1465		

Seq. No.	45939	Seq. ID	OJ000211_08.0323.C4
Gene No.	97293	Strand	-
Start	2837	End	7632
Name	OJ000211_08.0323.C4.o2.gs	Method	GENSCAN
Start	2837	End	4478
GI	none	Score	.87
Exons	2837..2905, 3189..3440, 3832..3891, 4257..4417, 4442..4478		

Seq. No.	45939	Seq. ID	OJ000211_08.0323.C4
Gene No.	97293	Strand	-
Start	2837	End	7632
Name	OJ000211_08.0323.C4.o2.np	Method	AAT/NAP
Start	2840	End	7632
GI	7523516	Score	1378
Exons	2840..2905, 3189..3440, 4257..4417, 4827..4894, 6731..6879, 7480..7632		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	45939	Seq. ID	OJ000211_08.0323.C4
Gene No.	97293	Strand	-
Start	2837	End	7632
Name	OJ000211_08.0323.C4.o3.gs	Method	GENSCAN
Start	4966	End	5558

GI	none	Score	1
Exons	4966..5079, 5349..5558		

Seq. No.	45939	Seq. ID	OJ000211_08.0323.C4
Gene No.	97293	Strand	-
Start	2837	End	7632
Name	OJ000211_08.0323.C4.o4.gs	Method	GENSCAN
Start	5970	End	7632
GI	none	Score	.88
Exons	5970..6122, 7480..7632		

Seq. No.	45939	Seq. ID	OJ000211_08.0323.C4
Gene No.	97294	Strand	-
Start	8796	End	13327
Name	OJ000211_08.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	148	End	350
GI	none	Score	203
Exons	148..321, 149..316, 149..325, 150..350		

Seq. No.	45939	Seq. ID	OJ000211_08.0323.C4
Gene No.	97294	Strand	-
Start	8796	End	13327
Name	OJ000211_08.0323.C4.o3.np	Method	AAT/NAP
Start	8796	End	13327
GI	7523517	Score	1161
Exons	8796..8958, 9070..9188, 9610..9673, 11663..11738, 12844..12883, 13028..13327		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	45939	Seq. ID	OJ000211_08.0323.C4
Gene No.	97294	Strand	-
Start	8796	End	13327
Name	OJ000211_08.0323.C4.o5.gs	Method	GENSCAN
Start	12956	End	13327
GI	none	Score	.96
Exons	12956..13327		

Seq. No.	45940	Seq. ID	OJ000211_08.0323.C5
Gene No.	97295	Strand	+
Start	1163	End	3452
Name	OJ000211_08.0323.C5.o1.gs	Method	GENSCAN
Start	1163	End	3452
GI	none	Score	.64
Exons	1163..1278, 1789..1875, 2141..2238, 3355..3452		

Seq. No.	45940	Seq. ID	OJ000211_08.0323.C5
Gene No.	97296	Strand	+
Start	4418	End	5241
Name	OJ000211_08.0323.C5.o2.gs	Method	GENSCAN
Start	4418	End	5195
GI	none	Score	.89
Exons	4418..4429, 4639..4664, 4997..5195		

Seq. No.	45940	Seq. ID	OJ000211_08.0323.C5
Gene No.	97296	Strand	+
Start	4418	End	5241
Name	OJ000211_08.0323.C5.o1.gp	Method	AAT/GAP

Start	4739	End	5241
GI	none	Score	931
Exons	4739..5241		

Seq. No.	45941	Seq. ID	OJ000211_08.0323.C6
Gene No.	97297	Strand	+
Start	1	End	1006
Name	OJ000211_08.0323.C6.o1.np	Method	AAT/NAP
Start	1	End	994
GI	3243274	Score	235
Exons	1..357, 411..450, 490..994		
GI Descrip.	(AF072134) TCP3 [Arabidopsis thaliana]		

Seq. No.	45941	Seq. ID	OJ000211_08.0323.C6
Gene No.	97297	Strand	+
Start	1	End	1006
Name	OJ000211_08.0323.C6.o1.gs	Method	GENSCAN
Start	44	End	1006
GI	none	Score	.98
Exons	44..1006		

Seq. No.	45941	Seq. ID	OJ000211_08.0323.C6
Gene No.	97298	Strand	+
Start	1236	End	1649
Name	OJ000211_08.0323.C6.o1.gp	Method	AAT/GAP
Start	1236	End	1649
GI	3762967	Score	776
Exons	1236..1649		

Seq. No.	45941	Seq. ID	OJ000211_08.0323.C6
Gene No.	97299	Strand	-
Start	1429	End	2733
Name	OJ000211_08.0323.C6.o2.gs	Method	GENSCAN
Start	1429	End	2733
GI	none	Score	.75
Exons	1429..1710, 2207..2311, 2564..2615, 2693..2733		

Seq. No.	45941	Seq. ID	OJ000211_08.0323.C6
Gene No.	97300	Strand	-
Start	2762	End	3021
Name	OJ000211_08.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	626	End	1077
GI	none	Score	65
Exons	626..670, 715..816, 716..823, 824..853, 899..946, 972..1007, 972..1034, 996..1052, 1033..1077		

Seq. No.	45941	Seq. ID	OJ000211_08.0323.C6
Gene No.	97300	Strand	-
Start	2762	End	3021
Name	OJ000211_08.0323.C6.o3.gp	Method	AAT/GAP
Start	2762	End	3021
GI	LIB3431-010-P1-N1-F11	Score	453
Exons	2762..3021		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	45942	Seq. ID	OJ000211_08.0323.C7

Gene No.	97301	Strand	+
Start	1430	End	1889
Name	OJ000211_08.0323.C7.o1.gs	Method	GENSCAN
Start	1430	End	1889
GI	none	Score	.87
Exons	1430..1543, 1567..1889		

Seq. No.	45942	Seq. ID	OJ000211_08.0323.C7
Gene No.	97302	Strand	+
Start	2325	End	5572
Name	OJ000211_08.0323.C7.o2.gs	Method	GENSCAN
Start	2325	End	5572
GI	none	Score	.4
Exons	2325..2497, 2674..2926, 5204..5321, 5412..5572		

Seq. No.	45943	Seq. ID	OJ000211_08.0323.C8
Gene No.	97303	Strand	+
Start	72	End	519
Name	OJ000211_08.0323.C8.o1.gs	Method	GENSCAN
Start	72	End	519
GI	none	Score	.95
Exons	72..130, 453..519		

Seq. No.	45944	Seq. ID	OJ000211_08.0323.C9
Gene No.	97304	Strand	+
Start	102	End	1058
Name	OJ000211_08.0323.C9.o1.gs	Method	GENSCAN
Start	102	End	1058
GI	none	Score	.63
Exons	102..701, 779..890, 913..1058		

Seq. No.	45944	Seq. ID	OJ000211_08.0323.C9
Gene No.	97304	Strand	+
Start	102	End	1058
Name	OJ000211_08.0323.C9.o1.gp	Method	AAT/GAP
Start	209	End	701
GI	18284_1.R1084	Score	700
Exons	209:.701		
GI Descrip.	'416316/gb|U03445|PRS405 4.0e-20 Yeast integrative vector pRS405 with LEU2 marker, complete sequence'		

Seq. No.	45944	Seq. ID	OJ000211_08.0323.C9
Gene No.	97305	Strand	+
Start	3593	End	4147
Name	OJ000211_08.0323.C9.o2.gs	Method	GENSCAN
Start	3593	End	4147
GI	none	Score	.71
Exons	3593..3865, 4124..4147		

Seq. No.	45944	Seq. ID	OJ000211_08.0323.C9
Gene No.	97306	Strand	-
Start	7238	End	7449
Name	OJ000211_08.0323.C9.o3.gs	Method	GENSCAN
Start	7238	End	7449
GI	none	Score	.54
Exons	7238..7342, 7372..7449		

Seq. No.	45945	Seq. ID	OJ000211_08.0323.C10
Gene No.	97307	Strand	-
Start	866	End	983
Name	OJ000211_08.0323.C10.o1.gp	Method	AAT/GAP
Start	866	End	983
GI	LIB3477-003-P1-K1-E9	Score	160
Exons	866..983		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	45946	Seq. ID	OJ000211_08.0323.C11
Gene No.	97308	Strand	+
Start	1122	End	3884
Name	OJ000211_08.0323.C11.o1.gp	Method	AAT/GAP
Start	1122	End	1329
GI	568791	Score	347
Exons	1122..1329		

Seq. No.	45946	Seq. ID	OJ000211_08.0323.C11
Gene No.	97308	Strand	+
Start	1122	End	3884
Name	OJ000211_08.0323.C11.o1.gs	Method	GENSCAN
Start	1164	End	3884
GI	none	Score	.57
Exons	1164..1339, 1384..1809, 2242..2438, 2672..2783, 2865..2998, 3014..3156, 3852..3884		

Seq. No.	45946	Seq. ID	OJ000211_08.0323.C11
Gene No.	97309	Strand	+
Start	12058	End	12940
Name	OJ000211_08.0323.C11.o3.gs	Method	GENSCAN
Start	12058	End	12940
GI	none	Score	.74
Exons	12058..12663, 12707..12772, 12899..12940		

Seq. No.	45946	Seq. ID	OJ000211_08.0323.C11
Gene No.	97310	Strand	+
Start	14960	End	15655
Name	OJ000211_08.0323.C11.o4.gs	Method	GENSCAN
Start	14960	End	15655
GI	none	Score	.86
Exons	14960..15655		

Seq. No.	45946	Seq. ID	OJ000211_08.0323.C11
Gene No.	97311	Strand	+
Start	17652	End	18152
Name	OJ000211_08.0323.C11.o2.gp	Method	AAT/GAP
Start	17413	End	17681
GI	700348	Score	490
Exons	17413..17681		

Seq. No.	45946	Seq. ID	OJ000211_08.0323.C11
Gene No.	97311	Strand	+
Start	17652	End	18152
Name	OJ000211_08.0323.C11.o5.gs	Method	GENSCAN
Start	17652	End	18152

GI	none	Score	.42
Exons	17652..18152		

Seq. No.	45946	Seq. ID	OJ000211_08.0323.C11
Gene No.	97312	Strand	+
Start	25306	End	26736
Name	OJ000211_08.0323.C11.o1.np	Method	AAT/NAP
Start	25032	End	26736
GI	6983857	Score	1812
Exons	25032..25148, 25212..25771, 25941..26399, 26429..26736		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	45946	Seq. ID	OJ000211_08.0323.C11
Gene No.	97312	Strand	+
Start	25306	End	26736
Name	OJ000211_08.0323.C11.o7.gs	Method	GENSCAN
Start	25306	End	25791
GI	none	Score	.98
Exons	25306..25791		

Seq. No.	45946	Seq. ID	OJ000211_08.0323.C11
Gene No.	97313	Strand	-
Start	7532	End	9346
Name	OJ000211_08.0323.C11.o2.gs	Method	GENSCAN
Start	7532	End	9346
GI	none	Score	.74
Exons	7532..9346		

Seq. No.	45946	Seq. ID	OJ000211_08.0323.C11
Gene No.	97314	Strand	-
Start	18761	End	21838
Name	OJ000211_08.0323.C11.o6.gs	Method	GENSCAN
Start	18761	End	21838
GI	none	Score	.67
Exons	18761..18802, 18848..19196, 19729..19780, 20340..20371, 20507..20637, 20911..20975, 21287..21488, 21797..21838		

Seq. No.	45946	Seq. ID	OJ000211_08.0323.C11
Gene No.	97315	Strand	-
Start	23103	End	25605
Name	OJ000211_08.0323.C11.o1.tm	Method	TBLASTX:Maize
Start	1406	End	18088
GI	none	Score	59
Exons	1406..1471, 1430..1477, 1540..1674, 1541..1681, 1553..1681, 12417..12533, 12433..12549, 12439..12540, 15383..15523, 15403..15513, 15413..15523, 17981..18088, 17982..18077		

Seq. No.	45946	Seq. ID	OJ000211_08.0323.C11
Gene No.	97315	Strand	-
Start	23103	End	25605
Name	OJ000211_08.0323.C11.o1.tw	Method	TBLASTX:Wheat
Start	1537	End	25605
GI	none	Score	184
Exons	1537..1674, 1538..1678, 1553..1678, 12417..12533, 12433..12534, 15374..15523, 15392..15511, 15400..15513, 17982..18077, 25525..25605		

Seq. No.	45946	Seq. ID	OJ000211_08.0323.C11
Gene No.	97315	Strand	-
Start	23103	End	25605
Name	OJ000211_08.0323.C11.o1.ts	Method	TBLASTX:Soybean
Start	1541	End	18077
GI	4298640	Score	162
Exons	1541..1678, 1543..1674, 12417..12533, 12436..12546, 15307..15513, 15308..15529, 17982..18077		
GI Descrip.	3790575 3.0e-26 (AF078825) RING-H2 finger protein RHA3b [Arabidopsis thaliana]		

Seq. No.	45946	Seq. ID	OJ000211_08.0323.C11
Gene No.	97315	Strand	-
Start	23103	End	25605
Name	OJ000211_08.0323.C11.o3.gp	Method	AAT/GAP
Start	23103	End	23613
GI	38782_1.R1084	Score	780
Exons	23103..23613		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	45947	Seq. ID	OJ000211_08.0323.C12
Gene No.	97316	Strand	+
Start	665	End	6237
Name	OJ000211_08.0323.C12.o2.np	Method	AAT/NAP
Start	665	End	6237
GI	6069646	Score	166
Exons	665..690, 4789..5264, 6159..6237		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	45947	Seq. ID	OJ000211_08.0323.C12
Gene No.	97316	Strand	+
Start	665	End	6237
Name	OJ000211_08.0323.C12.o1.gs	Method	GENSCAN
Start	1160	End	2146
GI	none	Score	.76
Exons	1160..2146		

Seq. No.	45947	Seq. ID	OJ000211_08.0323.C12
Gene No.	97316	Strand	+
Start	665	End	6237
Name	OJ000211_08.0323.C12.o1.gp	Method	AAT/GAP
Start	1390	End	1797
GI	74967_1.R1084	Score	754
Exons	1390..1797		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	45947	Seq. ID	OJ000211_08.0323.C12
Gene No.	97316	Strand	+
Start	665	End	6237
Name	OJ000211_08.0323.C12.o1.np	Method	AAT/NAP
Start	1545	End	3552

GI	5091511	Score	134
Exons	1545..2052, 3518..3552		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana RING-H2 finger protein RHX1a mRNA, partial cds.(AF079184) [Oryza sativa]		

Seq. No.	45947	Seq. ID	OJ000211_08.0323.C12
Gene No.	97317	Strand	+
Start	7822	End	8586
Name	OJ000211_08.0323.C12.o1.tc	Method	TBLASTX:Cress
Start	1805	End	2020
GI	none	Score	188
Exons	1805..2020		

Seq. No.	45947	Seq. ID	OJ000211_08.0323.C12
Gene No.	97317	Strand	+
Start	7822	End	8586
Name	OJ000211_08.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	1805	End	2023
GI	none	Score	209
Exons	1805..2023, 1888..2022		

Seq. No.	45947	Seq. ID	OJ000211_08.0323.C12
Gene No.	97317	Strand	+
Start	7822	End	8586
Name	OJ000211_08.0323.C12.o2.tw	Method	TBLASTX:Wheat
Start	1826	End	2046
GI	none	Score	179
Exons	1826..2020, 1877..1981, 1888..2046		

Seq. No.	45947	Seq. ID	OJ000211_08.0323.C12
Gene No.	97317	Strand	+
Start	7822	End	8586
Name	OJ000211_08.0323.C12.o3.tm	Method	TBLASTX:Maize
Start	1880	End	2011
GI	none	Score	204
Exons	1880..2011, 1880..1981, 1888..2010		

Seq. No.	45947	Seq. ID	OJ000211_08.0323.C12
Gene No.	97317	Strand	+
Start	7822	End	8586
Name	OJ000211_08.0323.C12.o2.tm	Method	TBLASTX:Maize
Start	4863	End	5078
GI	none	Score	210
Exons	4863..5078, 4865..5056, 4866..5057		

Seq. No.	45947	Seq. ID	OJ000211_08.0323.C12
Gene No.	97317	Strand	+
Start	7822	End	8586
Name	OJ000211_08.0323.C12.o1.tw	Method	TBLASTX:Wheat
Start	7765	End	8112
GI	none	Score	49
Exons	7765..7809, 7769..7816, 7812..7976, 7813..7977, 7957..8112, 7959..8108		

Seq. No.	45947	Seq. ID	OJ000211_08.0323.C12
Gene No.	97317	Strand	+
Start	7822	End	8586

Name	OJ000211_08.0323.C12.o3.np	Method	AAT/NAP
Start	7822	End	8586
GI	6539553	Score	1326
Exons	7822..8586		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	45947	Seq. ID	OJ000211_08.0323.C12
Gene No.	97317	Strand	+
Start	7822	End	8586
Name	OJ000211_08.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	7951	End	8264
GI	none	Score	356
Exons	7951..8262, 7959..8264		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97318	Strand	+
Start	1	End	2315
Name	OJ000211_08.0323.C13.o1.np	Method	AAT/NAP
Start	1	End	2315
GI	6539553	Score	3313
Exons	1..2315		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97319	Strand	+
Start	3042	End	5809
Name	OJ000211_08.0323.C13.o2.gs	Method	GENSCAN
Start	3042	End	5809
GI	none	Score	.68
Exons	3042..3251, 3406..3677, 5806..5809		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97320	Strand	+
Start	6750	End	19087
Name	OJ000211_08.0323.C13.o3.gs	Method	GENSCAN
Start	6750	End	19087
GI	none	Score	.43
Exons	6750..6987, 7146..7318, 8150..8191, 9260..9351, 9376..9635, 11748..11836, 12003..12127, 12168..12297, 12374..12539, 12909..13125, 13152..13234, 16241..16311, 18316..18457, 18957..19087		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97320	Strand	+
Start	6750	End	19087
Name	OJ000211_08.0323.C13.o1.gp	Method	AAT/GAP
Start	8716	End	8823
GI	4879971	Score	125
Exons	8716..8823		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13

Gene No.	97321	Strand	+
Start	24333	End	26014
Name	OJ000211_08.0323.C13.o4.gs	Method	GENSCAN
Start	24333	End	26014
GI	none	Score	.95
Exons	24333..24740, 24838..24954, 25078..25229, 25635..25813, 25908..26014		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97321	Strand	+
Start	24333	End	26014
Name	OJ000211_08.0323.C13.o3.gp	Method	AAT/GAP
Start	24828	End	25819
GI	none	Score	904
Exons	24828..24954, 25036..25229, 25635..25819		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97322	Strand	+
Start	28857	End	28944
Name	OJ000211_08.0323.C13.o5.gp	Method	AAT/GAP
Start	28857	End	28944
GI	none	Score	137
Exons	28857..28944		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o2.tm	Method	TBLASTX:Maize
Start	2	End	308
GI	none	Score	408
Exons	2..307, 6..308, 13..306		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o5.ts	Method	TBLASTX:Soybean
Start	335	End	721
GI	none	Score	88
Exons	335..490, 473..721		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o5.tm	Method	TBLASTX:Maize
Start	509	End	901
GI	none	Score	268
Exons	509..901, 718..870		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o3.tw	Method	TBLASTX:Wheat
Start	587	End	907
GI	none	Score	344
Exons	587..835, 587..820, 797..907, 809..901		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13

Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o2.ts	Method	TBLASTX:Soybean
Start	912	End	1283
GI	5509260	Score	338
Exons	912..1283, 920..988, 1037..1132, 1205..1264		
GI Descrip.	-		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o3.tc	Method	TBLASTX:Cress
Start	912	End	1172
GI	none	Score	286
Exons	912..1172, 914..991		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o3.tm	Method	TBLASTX:Maize
Start	953	End	1418
GI	none	Score	361
Exons	953..1135, 954..1418, 1089..1271, 1205..1315		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o2.tw	Method	TBLASTX:Wheat
Start	954	End	1499
GI	none	Score	319
Exons	954..1298, 1101..1274, 1293..1499, 1367..1489		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o3.ts	Method	TBLASTX:Soybean
Start	1352	End	1697
GI	none	Score	305
Exons	1352..1552, 1353..1697		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o4.tm	Method	TBLASTX:Maize
Start	1515	End	1831
GI	none	Score	304
Exons	1515..1829, 1523..1831		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o1.tw	Method	TBLASTX:Wheat
Start	1703	End	2179
GI	none	Score	101
Exons	1703..1774, 1704..1778, 1793..2179, 1794..2141, 1795..2178		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13

Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o4.ts	Method	TBLASTX:Soybean
Start	1710	End	2051
GI	none	Score	91
Exons	1710..1823, 1736..1816, 1842..2051, 1847..1972		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o6.tm	Method	TBLASTX:Maize
Start	6672	End	7180
GI	none	Score	217
Exons	6672..6719, 6683..7060, 6684..7061, 6766..7059, 6772..7173, 6792..7061, 7106..7180, 7107..7172, 7108..7173		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o2.np	Method	AAT/NAP
Start	11596	End	16166
GI	6069646	Score	848
Exons	11596..12590, 16139..16166		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o7.tm	Method	TBLASTX:Maize
Start	11715	End	12223
GI	none	Score	63
Exons	11715..11840, 11901..12107, 12074..12223		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o4.np	Method	AAT/NAP
Start	14569	End	31013
GI	6691201	Score	286
Exons	14569..14611, 26924..27145, 27244..27472, 27649..27974, 28064..28198, 28782..28937, 30915..31013		
GI Descrip.	(AC007508) F1K23.2 [Arabidopsis thaliana]		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o1.tc	Method	TBLASTX:Cress
Start	26885	End	27929
GI	none	Score	157
Exons	26885..27148, 26903..27139, 26964..27155, 27241..27510, 27242..27469, 27244..27507, 27741..27929, 27762..27905		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13

Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o1.ts	Method	TBLASTX:Soybean
Start	26892	End	27965
GI	none	Score	129
Exons	26892..27143, 26897..27148, 26898..27155, 27238..27507, 27242..27466, 27274..27507, 27520..27543, 27735..27965, 27735..27962		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	26894	End	28958
GI	none	Score	305
Exons	26894..27148, 26897..27148, 26898..27155, 26941..27156, 27238..27540, 27238..27549, 27242..27547, 27702..27749, 27744..27965, 27744..27962, 27745..27966, 27745..27975, 27914..27988, 28041..28154, 28052..28156, 28061..28156, 28149..28199, 28157..28207, 28159..28215, 28302..28499, 28304..28486, 28305..28487, 28312..28494, 28740..28943, 28750..28944, 28752..28958		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o5.gs	Method	GENSCAN
Start	26897	End	28889
GI	none	Score	.92
Exons	26897..27145, 27244..27546, 27699..27966, 28053..28231, 28305..28486, 28754..28889		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o4.tw	Method	TBLASTX:Wheat
Start	27089	End	27510
GI	none	Score	83
Exons	27089..27148, 27090..27155, 27238..27510, 27238..27510		

Seq. No.	45948	Seq. ID	OJ000211_08.0323.C13
Gene No.	97323	Strand	-
Start	11596	End	31013
Name	OJ000211_08.0323.C13.o2.tc	Method	TBLASTX:Cress
Start	28043	End	28958
GI	none	Score	104
Exons	28043..28207, 28122..28202, 28302..28499, 28303..28482, 28805..28942, 28806..28943, 28809..28958, 28813..28947		

Seq. No.	45949	Seq. ID	OJ000211_08.0323.C14
Gene No.	97324	Strand	+
Start	1348	End	2177
Name	OJ000211_08.0323.C14.o2.gs	Method	GENSCAN
Start	1348	End	2177
GI	none	Score	.89
Exons	1348..1354, 1936..2177		

Seq. No.	45949	Seq. ID	OJ000211_08.0323.C14
Gene No.	97325	Strand	-
Start	1	End	231
Name	OJ000211_08.0323.C14.o1.gp	Method	AAT/GAP
Start	1	End	231
GI	none	Score	446
Exons	1..231		

Seq. No.	45949	Seq. ID	OJ000211_08.0323.C14
Gene No.	97325	Strand	-
Start	1	End	231
Name	OJ000211_08.0323.C14.o1.gs	Method	GENSCAN
Start	8	End	228
GI	none	Score	.97
Exons	8..228		

Seq. No.	45949	Seq. ID	OJ000211_08.0323.C14
Gene No.	97326	Strand	-
Start	4693	End	5430
Name	OJ000211_08.0323.C14.o3.gs	Method	GENSCAN
Start	4693	End	5430
GI	none	Score	.94
Exons	4693..4953, 4972..5261, 5310..5430		

Seq. No.	45950	Seq. ID	OJ000211_08.0323.C15
Gene No.	97327	Strand	+
Start	234	End	408
Name	OJ000211_08.0323.C15.o1.gs	Method	GENSCAN
Start	234	End	408
GI	none	Score	.48
Exons	234..313, 336..408		

Seq. No.	45951	Seq. ID	OJ000211_08.0323.C16
Gene No.	97328	Strand	-
Start	322	End	619
Name	OJ000211_08.0323.C16.o1.gs	Method	GENSCAN
Start	322	End	619
GI	none	Score	.88
Exons	322..388, 546..619		

Seq. No.	45952	Seq. ID	OJ000221_08.0320.C3
Gene No.	97329	Strand	+
Start	485	End	2509
Name	OJ000221_08.0320.C3.o1.np	Method	AAT/NAP
Start	485	End	2506
GI	7489166	Score	1212
Exons	485..1034, 1860..2166, 2354..2506		
GI Descrip.	membrane protein, 37K, precursor, chloroplast inner envelope - common tobacco gi|1419090|emb|CAA64422.1| (X94968) 37kDa chloroplast inner envelope membrane polypeptide precursor [Nicotiana tabacum]		

Seq. No.	45952	Seq. ID	OJ000221_08.0320.C3
Gene No.	97329	Strand	+
Start	485	End	2509
Name	OJ000221_08.0320.C3.o1.gs	Method	GENSCAN
Start	772	End	2509

GI	none	Score	.97
Exons	772..1034, 1860..2166, 2354..2509		

Seq. No.	45952	Seq. ID	OJ000221_08.0320.C3
Gene No.	97330	Strand	-
Start	506	End	8829
Name	OJ000221_08.0320.C3.o3.np	Method	AAT/NAP
Start	506	End	8811
GI	4758106	Score	425
Exons	506..539, 3459..3716, 6208..6448, 6622..6739, 7295..7412, 7527..7565, 7654..7678, 7946..8034, 8561..8615, 8731..8811		
GI Descrip.	Clk-associating RS-cyclophilin gi|1117968 (U40763) CARS-Cyp [Homo sapiens] gi|1770526|emb|CAA68053| (X99717) SRcyp protein [Homo sapiens]		

Seq. No.	45952	Seq. ID	OJ000221_08.0320.C3
Gene No.	97330	Strand	-
Start	506	End	8829
Name	OJ000221_08.0320.C3.o1.tm	Method	TBLASTX:Maize
Start	536	End	2773
GI	none	Score	64
Exons	536..589, 541..591, 632..712, 674..712, 691..1023, 712..1032, 873..1034, 1835..2155, 1839..2138, 1857..2162, 1858..2169, 1858..2184, 2353..2505, 2357..2512, 2539..2565, 2566..2613, 2687..2713, 2747..2773		

Seq. No.	45952	Seq. ID	OJ000221_08.0320.C3
Gene No.	97330	Strand	-
Start	506	End	8829
Name	OJ000221_08.0320.C3.o1.tc	Method	TBLASTX:Cress
Start	581	End	2619
GI	none	Score	109
Exons	581..712, 646..711, 705..764, 712..1032, 712..1029, 888..1034, 1832..2020, 1841..2074, 1857..2075, 1857..2075, 1858..2076, 2068..2118, 2073..2108, 2106..2162, 2110..2169, 2353..2388, 2357..2392, 2390..2515, 2392..2505, 2566..2619		

Seq. No.	45952	Seq. ID	OJ000221_08.0320.C3
Gene No.	97330	Strand	-
Start	506	End	8829
Name	OJ000221_08.0320.C3.o1.ts	Method	TBLASTX:Soybean
Start	629	End	2619
GI	none	Score	133
Exons	629..712, 634..711, 692..811, 694..1020, 712..1032, 873..1034, 1857..2165, 1857..2168, 1858..2169, 2345..2509, 2349..2504, 2350..2526, 2357..2509, 2566..2619		

Seq. No.	45952	Seq. ID	OJ000221_08.0320.C3
Gene No.	97330	Strand	-
Start	506	End	8829
Name	OJ000221_08.0320.C3.o2.np	Method	AAT/NAP
Start	2352	End	8808
GI	7486628	Score	408
Exons	2352..2449, 3379..3743, 4494..4674, 5723..6423, 6552..6797, 7507..7590, 7946..8034, 8561..8615, 8731..8808		
GI Descrip.	hypothetical protein F8B4.120 - Arabidopsis thaliana gi|4049344|emb|CAA22569.1| (AL034567) putative protein		

[Arabidopsis thaliana] gi|7270146|emb|CAB79959.1| (AL161581) putative protein [Arabidopsis thaliana]

Seq. No.	45952	Seq. ID	OJ000221_08.0320.C3
Gene No.	97330	Strand	-
Start	506	End	8829
Name	OJ000221_08.0320.C3.o2.tm	Method	TBLASTX:Maize
Start	3348	End	7566
GI	none	Score	49
Exons	3348..3383, 3352..3420, 3382..3447, 3385..3447, 3406..3498, 3453..3503, 3515..3595, 3520..3588, 3637..3693, 3646..3696, 3693..3719, 4283..4366, 4283..4366, 4284..4367, 4285..4368, 4437..4649, 4442..4642, 4443..4643, 4483..4671, 4647..4697, 4650..4700, 4677..4751, 4694..4756, 5132..5215, 5139..5219, 5141..5221, 5218..5325, 5233..5316, 5235..5366, 5966..6007, 5989..6087, 6005..6040, 6169..6321, 6176..6322, 6358..6432, 6404..6505, 6567..6614, 6578..6613, 6601..6738, 6617..6739, 6620..6739, 6621..6743, 7294..7413, 7295..7414, 7296..7415, 7304..7414, 7526..7558, 7531..7566		

Seq. No.	45952	Seq. ID	OJ000221_08.0320.C3
Gene No.	97330	Strand	-
Start	506	End	8829
Name	OJ000221_08.0320.C3.o2.gs	Method	GENSCAN
Start	3356	End	8829
GI	none	Score	.64
Exons	3356..3737, 4285..4365, 4446..4754, 5167..5311, 5975..6087, 6177..6504, 6585..6739, 7295..7412, 8561..8615, 8731..8829		

Seq. No.	45952	Seq. ID	OJ000221_08.0320.C3
Gene No.	97330	Strand	-
Start	506	End	8829
Name	OJ000221_08.0320.C3.o1.gp	Method	AAT/GAP
Start	3469	End	4474
GI	287063	Score	667
Exons	3469..3716, 4285..4365, 4446..4474		

Seq. No.	45952	Seq. ID	OJ000221_08.0320.C3
Gene No.	97330	Strand	-
Start	506	End	8829
Name	OJ000221_08.0320.C3.o3.ts	Method	TBLASTX:Soybean
Start	4305	End	4639
GI	none	Score	70
Exons	4305..4346, 4457..4639, 4459..4566, 4499..4606		

Seq. No.	45952	Seq. ID	OJ000221_08.0320.C3
Gene No.	97330	Strand	-
Start	506	End	8829
Name	OJ000221_08.0320.C3.o2.tc	Method	TBLASTX:Cress
Start	6619	End	8787
GI	none	Score	67
Exons	6619..6660, 6661..6738, 6662..6739, 7294..7413, 7295..7414, 7531..7581, 7652..7690, 8556..8600, 8728..8787		

Seq. No.	45952	Seq. ID	OJ000221_08.0320.C3
Gene No.	97330	Strand	-
Start	506	End	8829

Name	OJ000221_08.0320.C3.o2.ts	Method	TBLASTX:Soybean
Start	6619	End	8615
GI	none	Score	91
Exons	6619..6738, 6620..6739, 7294..7413, 7295..7414, 7315..7419, 7531..7566, 7532..7567, 7649..7693, 7946..8005, 8556..8615		

Seq. No.	45953	Seq. ID	OJ000221_08.0320.C5
Gene No.	97331	Strand	-
Start	3320	End	3681
Name	OJ000221_08.0320.C5.o1.gp	Method	AAT/GAP
Start	3320	End	3681
GI	none	Score	359
Exons	3320..3411, 3500..3681		

Seq. No.	45953	Seq. ID	OJ000221_08.0320.C5
Gene No.	97332	Strand	-
Start	5999	End	8173
Name	OJ000221_08.0320.C5.o1.np	Method	AAT/NAP
Start	5999	End	8173
GI	7485937	Score	1535
Exons	5999..8173		
GI Descrip.	hypothetical protein F21C20.90 - Arabidopsis thaliana gi|5262214|emb|CAB45840.1| (AL080254) putative protein [Arabidopsis thaliana] gi|7268870|emb|CAB79074.1| (AL161553) putative protein [Arabidopsis thaliana]		

Seq. No.	45953	Seq. ID	OJ000221_08.0320.C5
Gene No.	97332	Strand	-
Start	5999	End	8173
Name	OJ000221_08.0320.C5.o1.ts	Method	TBLASTX:Soybean
Start	6133	End	7521
GI	none	Score	156
Exons	6133..6333, 6379..6654, 6790..7410, 6820..7308, 6832..7197, 6859..7512, 6988..7521, 7264..7512, 7288..7521		

Seq. No.	45953	Seq. ID	OJ000221_08.0320.C5
Gene No.	97332	Strand	-
Start	5999	End	8173
Name	OJ000221_08.0320.C5.o2.tm	Method	TBLASTX:Maize
Start	6157	End	7518
GI	none	Score	222
Exons	6157..6309, 6373..6432, 6376..6567, 6799..7341, 6847..7518		

Seq. No.	45953	Seq. ID	OJ000221_08.0320.C5
Gene No.	97332	Strand	-
Start	5999	End	8173
Name	OJ000221_08.0320.C5.o1.tc	Method	TBLASTX:Cress
Start	6382	End	7512
GI	none	Score	200
Exons	6382..6564, 6916..7434, 6961..7512		

Seq. No.	45953	Seq. ID	OJ000221_08.0320.C5
Gene No.	97332	Strand	-
Start	5999	End	8173
Name	OJ000221_08.0320.C5.o1.tm	Method	TBLASTX:Maize
Start	7615	End	8137
GI	none	Score	85

Exons	7615..7746, 7616..7756, 7792..7902, 7844..7867, 7975..7995, 8056..8130, 8057..8137		
Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97333	Strand	+
Start	180	End	8508
Name	OJ000221_08.0320.C6.o1.np	Method	AAT/NAP
Start	180	End	4764
GI	7208771	Score	1729
Exons	180..269, 416..604, 1651..1782, 1946..2095, 2400..2555, 3195..3329, 3440..3505, 3730..3836, 3968..4067, 4145..4236, 4456..4525, 4678..4764		
GI Descrip.	(AJ276264) putative Ruv DNA-helicase [Cicer arietinum]		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97333	Strand	+
Start	180	End	8508
Name	OJ000221_08.0320.C6.o1.gs	Method	GENSCAN
Start	497	End	8508
GI	none	Score	.6
Exons	497..604, 1651..1782, 1946..2095, 2400..2555, 3195..3329, 3440..3505, 3730..3831, 4145..4236, 4741..4826, 5335..5465, 5894..5964, 8048..8122, 8331..8508		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97333	Strand	+
Start	180	End	8508
Name	OJ000221_08.0320.C6.o1.gp	Method	AAT/GAP
Start	1633	End	2095
GI	uC-osf1M202020b08b1	Score	464
Exons	1633..1782, 1946..2095		
GI Descrip.	'2497541/sp|Q40545|KPYA_TOBAC 8.0e-45 PYRUVATE KINASE ISOZYME A, CHLOROPLAST PRECURSOR >gi_482936_emb_CAA82222_ (Z28373) pyruvate kinase; plastid isozyme [Nicotiana tabacum]'		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97334	Strand	+
Start	11610	End	11850
Name	OJ000221_08.0320.C6.o4.gp	Method	AAT/GAP
Start	11610	End	11850
GI	uC-osflcyp106f09a1	Score	381
Exons	11610..11850		
GI Descrip.	'5042444/gb|AAD38281.1|AC007789_7 7.0e-13 (AC007789) putative low molecular early light-inducible protein [Oryza sativa]'		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97335	Strand	-
Start	7108	End	7322
Name	OJ000221_08.0320.C6.o2.gp	Method	AAT/GAP
Start	7108	End	7322
GI	LIB3477-003-P1-K1-E9	Score	121
Exons	7108..7128, 7221..7322		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6

Gene No.	97336	Strand	-
Start	9143	End	10124
Name	OJ000221_08.0320.C6.o3.gp	Method	AAT/GAP
Start	9143	End	10124
GI	777_1.R1084	Score	1575
Exons	9143..9811, 9907..10124		
GI Descrip.	'5042444/gb|AAD38281.1|AC007789_7 3.0e-41 (AC007789) putative low molecular early light-inducible protein [Oryza sativa]'		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97336	Strand	-
Start	9143	End	10124
Name	OJ000221_08.0320.C6.o2.gs	Method	GENSCAN
Start	9368	End	10026
GI	none	Score	.96
Exons	9368..9811, 9907..10026		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97336	Strand	-
Start	9143	End	10124
Name	OJ000221_08.0320.C6.o2.np	Method	AAT/NAP
Start	9371	End	10041
GI	5042444	Score	781
Exons	9371..9811, 9907..10041		
GI Descrip.	(AC007789) putative low molecular early light-inducible protein [Oryza sativa]		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97337	Strand	-
Start	11806	End	12829
Name	OJ000221_08.0320.C6.o3.gs	Method	GENSCAN
Start	11806	End	12829
GI	none	Score	.86
Exons	11806..12255, 12336..12493, 12592..12829		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97337	Strand	-
Start	11806	End	12829
Name	OJ000221_08.0320.C6.o6.gp	Method	AAT/GAP
Start	12029	End	12591
GI	777_5.R1084	Score	911
Exons	12029..12255, 12336..12591		
GI Descrip.	'2407267 6.0e-18 (AF017356) low molecular early light-inducible protein [Oryza sativa]'		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o3.tm	Method	TBLASTX:Maize
Start	203	End	10694
GI	none	Score	108
Exons	203..268, 204..269, 416..616, 496..606, 1630..1782, 1648..1785, 1944..2081, 1945..2097, 1946..2122, 2397..2555, 2397..2555, 2398..2556, 2399..2557, 2399..2557, 3188..3331, 3189..3332, 3428..3505, 3438..3506, 3439..3507, 3440..3508, 3696..3812, 3727..3813, 10618..10677, 10656..10694		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o6.ts	Method	TBLASTX:Soybean
Start	203	End	1719
GI	none	Score	107
Exons	203..268, 204..269, 413..616, 496..606, 1644..1712, 1648..1719		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o4.tc	Method	TBLASTX:Cress
Start	204	End	616
GI	none	Score	102
Exons	204..269, 209..268, 413..616, 496..606		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o5.ts	Method	TBLASTX:Soybean
Start	1720	End	2122
GI	none	Score	112
Exons	1720..1788, 1946..1969, 1960..2094, 1964..2122, 1972..2094		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o2.ts	Method	TBLASTX:Soybean
Start	3252	End	4198
GI	none	Score	128
Exons	3252..3332, 3254..3337, 3257..3337, 3428..3505, 3439..3507, 3440..3508, 3696..3845, 3727..3843, 3944..4075, 3965..4069, 3966..4070, 4141..4197, 4142..4198		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o3.tc	Method	TBLASTX:Cress
Start	3735	End	4070
GI	none	Score	151
Exons	3735..3845, 3736..3843, 3965..4063, 3966..4070		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o2.tw	Method	TBLASTX:Wheat
Start	4010	End	4769
GI	none	Score	79
Exons	4010..4066, 4011..4070, 4139..4255, 4142..4234, 4144..4236, 4444..4548, 4448..4537, 4675..4767, 4675..4737, 4676..4768, 4677..4769, 4692..4769		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o3.ts	Method	TBLASTX:Soybean
Start	9256	End	12148

GI	none	Score	129
Exons	9256..9285, 9377..9580, 9575..9703, 9576..9710, 11815..11946, 12046..12141, 12056..12148		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o2.tm	Method	TBLASTX:Maize
Start	9368	End	12120
GI	none	Score	311
Exons	9368..9676, 9384..9677, 9575..9682, 11806..11946, 11813..11890, 11869..11904, 12025..12120, 12046..12114		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o2.tc	Method	TBLASTX:Cress
Start	9377	End	12142
GI	none	Score	80
Exons	9377..9580, 9390..9452, 9531..9704, 9575..9703, 11815..11946, 11816..11890, 12046..12141, 12050..12142		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o7.gp	Method	AAT/GAP
Start	13592	End	14203
GI	3766777	Score	1145
Exons	13592..14203		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o4.gs	Method	GENSCAN
Start	13945	End	16263
GI	none	Score	1
Exons	13945..14730, 16054..16263		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o1.tm	Method	TBLASTX:Maize
Start	13960	End	14694
GI	none	Score	229
Exons	13960..14013, 14071..14109, 14249..14590, 14278..14610, 14593..14694		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o3.np	Method	AAT/NAP
Start	13963	End	16361
GI	7485001	Score	636
Exons	13963..14169, 14218..14730, 16054..16361		
GI Descrip.	heat shock transcription factor homolog T19L18.4 - Arabidopsis thaliana gi|3413699|gb|AAC31222.1| (AC004747) putative heat shock transcription factor [Arabidopsis thaliana]		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o1.ts	Method	TBLASTX:Soybean
Start	14234	End	14622
GI	none	Score	232
Exons	14234..14599, 14260..14622		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o1.tc	Method	TBLASTX:Cress
Start	14308	End	16237
GI	none	Score	98
Exons	14308..14622, 14483..14605, 14602..14730, 14687..14734, 16053..16094, 16054..16236, 16109..16237		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o4.ts	Method	TBLASTX:Soybean
Start	14635	End	16273
GI	none	Score	66
Exons	14635..14730, 14687..14734, 16054..16152, 16054..16272, 16139..16273		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o1.tw	Method	TBLASTX:Wheat
Start	14647	End	16252
GI	none	Score	61
Exons	14647..14730, 14681..14734, 16050..16094, 16054..16152, 16054..16239, 16109..16252		

Seq. No.	45954	Seq. ID	OJ000221_08.0320.C6
Gene No.	97338	Strand	-
Start	13945	End	16361
Name	OJ000221_08.0320.C6.o4.tm	Method	TBLASTX:Maize
Start	14695	End	16258
GI	none	Score	90
Exons	14695..14730, 16054..16152, 16054..16233, 16109..16258		

Seq. No.	45955	Seq. ID	OJ000221_08.0320.C7
Gene No.	97339	Strand	-
Start	1	End	151
Name	OJ000221_08.0320.C7.o1.gp	Method	AAT/GAP
Start	1	End	151
GI	none	Score	242
Exons	1..151		

Seq. No.	45955	Seq. ID	OJ000221_08.0320.C7
Gene No.	97340	Strand	-
Start	154	End	1096
Name	OJ000221_08.0320.C7.o1.gs	Method	GENSCAN
Start	154	End	1096

GI	none	Score	.73
Exons	154..338, 875..1096		

Seq. No.	45956	Seq. ID	OJ000221_08.0320.C8
Gene No.	97341	Strand	+
Start	4605	End	5404
Name	OJ000221_08.0320.C8.o2.gs	Method	GENSCAN
Start	4605	End	5404
GI	none	Score	.84
Exons	4605..4676, 5345..5404		

Seq. No.	45956	Seq. ID	OJ000221_08.0320.C8
Gene No.	97342	Strand	-
Start	379	End	823
Name	OJ000221_08.0320.C8.o1.gs	Method	GENSCAN
Start	379	End	823
GI	none	Score	.92
Exons	379..551, 745..823		

Seq. No.	45956	Seq. ID	OJ000221_08.0320.C8
Gene No.	97343	Strand	-
Start	4357	End	10321
Name	OJ000221_08.0320.C8.o1.np	Method	AAT/NAP
Start	4357	End	9555
GI	7340881	Score	687
Exons	4357..4394, 5734..5838, 7008..7038, 7144..7277, 8707..8971, 9017..9118, 9211..9334, 9481..9555		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	45956	Seq. ID	OJ000221_08.0320.C8
Gene No.	97343	Strand	-
Start	4357	End	10321
Name	OJ000221_08.0320.C8.o3.gs	Method	GENSCAN
Start	6009	End	10321
GI	none	Score	.45
Exons	6009..6239, 6671..6733, 8908..8982, 9028..9118, 10254..10321		

Seq. No.	45956	Seq. ID	OJ000221_08.0320.C8
Gene No.	97343	Strand	-
Start	4357	End	10321
Name	OJ000221_08.0320.C8.o1.gp	Method	AAT/GAP
Start	8349	End	8419
GI	1631463	Score	78
Exons	8349..8419		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	45957	Seq. ID	OJ000221_08.0320.C9
Gene No.	97344	Strand	-
Start	1448	End	8549
Name	OJ000221_08.0320.C9.o1.gp	Method	AAT/GAP
Start	1153	End	2169
GI	85464_1.R1084	Score	1158
Exons	1153..1668, 2073..2169		
GI Descrip.	'3892057/gb|AAC78270.1|AAC78270 5.0e-36 (AC002330) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	45957	Seq. ID	OJ000221_08.0320.C9
Gene No.	97344	Strand	-
Start	1448	End	8549
Name	OJ000221_08.0320.C9.o4.tm	Method	TBLASTX:Maize
Start	1401	End	1672
GI	none	Score	39
Exons	1401..1442, 1405..1440, 1433..1513, 1436..1519, 1447..1551, 1508..1672, 1520..1672		

Seq. No.	45957	Seq. ID	OJ000221_08.0320.C9
Gene No.	97344	Strand	-
Start	1448	End	8549
Name	OJ000221_08.0320.C9.o1.gs	Method	GENSCAN
Start	1448	End	8549
GI	none	Score	.94
Exons	1448..1668, 2073..2382, 3297..3588, 3691..5403, 5531..5714, 5762..6056, 8448..8549		

Seq. No.	45957	Seq. ID	OJ000221_08.0320.C9
Gene No.	97344	Strand	-
Start	1448	End	8549
Name	OJ000221_08.0320.C9.o1.np	Method	AAT/NAP
Start	1451	End	5652
GI	7452456	Score	2977
Exons	1451..1668, 2073..2382, 3297..3588, 3691..5409, 5531..5652		
GI Descrip.	hypothetical protein T10P11.3.2 - Arabidopsis thaliana gi|3892057|gb|AAC78270.1|AAC78270 (AC002330) hypothetical protein [Arabidopsis thaliana] gi|7269753|emb|CAB77753.1| (AL161495) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45957	Seq. ID	OJ000221_08.0320.C9
Gene No.	97344	Strand	-
Start	1448	End	8549
Name	OJ000221_08.0320.C9.o1.tc	Method	TBLASTX:Cress
Start	1493	End	5279
GI	none	Score	141
Exons	1493..1663, 3483..3590, 3484..3591, 3486..3608, 3550..3606, 3670..3846, 3688..4092, 3690..4118, 3695..3847, 3705..4130, 5145..5279		

Seq. No.	45957	Seq. ID	OJ000221_08.0320.C9
Gene No.	97344	Strand	-
Start	1448	End	8549
Name	OJ000221_08.0320.C9.o2.ts	Method	TBLASTX:Soybean
Start	1568	End	4385
GI	none	Score	227
Exons	1568..1672, 2074..2394, 2075..2383, 3984..4385		

Seq. No.	45957	Seq. ID	OJ000221_08.0320.C9
Gene No.	97344	Strand	-
Start	1448	End	8549
Name	OJ000221_08.0320.C9.o1.tm	Method	TBLASTX:Maize
Start	2059	End	5279
GI	none	Score	298
Exons	2059..2175, 3323..3589, 3324..3590, 3325..3603, 3649..4176, 3688..4092, 3690..4178, 3705..4178, 5145..5279		

Seq. No.	45957	Seq. ID	OJ000221_08.0320.C9
Gene No.	97344	Strand	-
Start	1448	End	8549
Name	OJ000221_08.0320.C9.o2.tc	Method	TBLASTX:Cress
Start	2209	End	4512
GI	none	Score	56
Exons	2209..2331, 4152..4223, 4153..4200, 4197..4511, 4198..4512		

Seq. No.	45957	Seq. ID	OJ000221_08.0320.C9
Gene No.	97344	Strand	-
Start	1448	End	8549
Name	OJ000221_08.0320.C9.o5.tm	Method	TBLASTX:Maize
Start	2210	End	2385
GI	none	Score	135
Exons	2210..2383, 2212..2385, 2212..2385		

Seq. No.	45957	Seq. ID	OJ000221_08.0320.C9
Gene No.	97344	Strand	-
Start	1448	End	8549
Name	OJ000221_08.0320.C9.o1.ts	Method	TBLASTX:Soybean
Start	3315	End	5279
GI	none	Score	330
Exons	3315..3590, 3316..3591, 3688..3849, 3694..3846, 3705..3848, 5145..5279		

Seq. No.	45957	Seq. ID	OJ000221_08.0320.C9
Gene No.	97344	Strand	-
Start	1448	End	8549
Name	OJ000221_08.0320.C9.o2.gp	Method	AAT/GAP
Start	4000	End	4473
GI	uC-osf1M202050f05b1	Score	890
Exons	4000..4473		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	45957	Seq. ID	OJ000221_08.0320.C9
Gene No.	97344	Strand	-
Start	1448	End	8549
Name	OJ000221_08.0320.C9.o3.tm	Method	TBLASTX:Maize
Start	4224	End	4471
GI	none	Score	189
Exons	4224..4469, 4224..4469, 4225..4470, 4289..4471, 4307..4471		

Seq. No.	45957	Seq. ID	OJ000221_08.0320.C9
Gene No.	97344	Strand	-
Start	1448	End	8549
Name	OJ000221_08.0320.C9.o3.gp	Method	AAT/GAP
Start	4487	End	4954
GI	572439	Score	914
Exons	4487..4954		
GI Descrip.	3892057/gb|AAC78270.1|AAC78270 4.0e-38 (AC002330) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45957	Seq. ID	OJ000221_08.0320.C9
Gene No.	97344	Strand	-

Start	1448	End	8549
Name	OJ000221_08.0320.C9.o3.tc	Method	TBLASTX:Cress
Start	4515	End	5097
GI	none	Score	58
Exons	4515..4988, 4516..4620, 4738..4992, 5050..5097		

Seq. No.	45957	Seq. ID	OJ000221_08.0320.C9
Gene No.	97344	Strand	-
Start	1448	End	8549
Name	OJ000221_08.0320.C9.o3.ts	Method	TBLASTX:Soybean
Start	4575	End	5000
GI	none	Score	78
Exons	4575..4679, 4575..5000, 4576..4989		

Seq. No.	45957	Seq. ID	OJ000221_08.0320.C9
Gene No.	97344	Strand	-
Start	1448	End	8549
Name	OJ000221_08.0320.C9.o2.tm	Method	TBLASTX:Maize
Start	4605	End	5122
GI	none	Score	438
Exons	4605..5108, 4605..5111, 4610..5122, 4612..5112		

Seq. No.	45958	Seq. ID	OJ000221_08.0320.C10
Gene No.	97345	Strand	+
Start	2592	End	7257
Name	OJ000221_08.0320.C10.o1.gs	Method	GENSCAN
Start	2592	End	7257
GI	none	Score	.46
Exons	2592..2800, 5874..5962, 7127..7257		

Seq. No.	45958	Seq. ID	OJ000221_08.0320.C10
Gene No.	97346	Strand	+
Start	8089	End	11654
Name	OJ000221_08.0320.C10.o2.gs	Method	GENSCAN
Start	8089	End	11654
GI	none	Score	.77
Exons	8089..8551, 9013..9059, 9163..9337, 9453..9728, 10067..10289, 10382..10470, 10536..10591, 11064..11654		

Seq. No.	45958	Seq. ID	OJ000221_08.0320.C10
Gene No.	97346	Strand	+
Start	8089	End	11654
Name	OJ000221_08.0320.C10.o1.np	Method	AAT/NAP
Start	9717	End	11571
GI	4510376	Score	269
Exons	9717..9798, 10386..10618, 11047..11571		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	45958	Seq. ID	OJ000221_08.0320.C10
Gene No.	97347	Strand	+
Start	17479	End	26675
Name	OJ000221_08.0320.C10.o4.gs	Method	GENSCAN
Start	17479	End	24915
GI	none	Score	.66
Exons	17479..17635, 18418..18490, 19088..19584, 20017..20186, 20238..20389, 20432..20585, 20753..20873, 21343..21456, 22549..22706, 22802..22954, 22993..23086, 23405..23836,		

24377..24537, 24709..24915

Seq. No.	45958	Seq. ID	OJ000221_08.0320.C10
Gene No.	97347	Strand	+
Start	17479	End	26675
Name	OJ000221_08.0320.C10.o2.np	Method	AAT/NAP
Start	20633	End	23005
GI	7523413	Score	781
Exons	20633..20873, 21343..21456, 22549..22706, 22802..23005		
GI Descrip.	(AL138648) putative protein [Arabidopsis thaliana]		

Seq. No.	45958	Seq. ID	OJ000221_08.0320.C10
Gene No.	97347	Strand	+
Start	17479	End	26675
Name	OJ000221_08.0320.C10.o1.gp	Method	AAT/GAP
Start	22585	End	23323
GI	1681_1.R1084	Score	1201
Exons	22585..22706, 22802..23323		
GI Descrip.	'4587571/gb|AAD25802.1|AC006550_10 7.0e-41 (AC006550) Belongs to the PF_01027 Uncharacterized protein family UPF0005 with 7 transmembrane domains. [Arabidopsis thaliana]'		

Seq. No.	45958	Seq. ID	OJ000221_08.0320.C10
Gene No.	97347	Strand	+
Start	17479	End	26675
Name	OJ000221_08.0320.C10.o4.np	Method	AAT/NAP
Start	23529	End	26675
GI	7485070	Score	206
Exons	23529..24103, 24262..24537, 24709..24765, 26609..26675		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244904|emb|CAB10325.1| (Z97339) hypothetical protein [Arabidopsis thaliana] gi|7268294|emb|CAB78589.1| (AL161541) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45958	Seq. ID	OJ000221_08.0320.C10
Gene No.	97347	Strand	+
Start	17479	End	26675
Name	OJ000221_08.0320.C10.o3.np	Method	AAT/NAP
Start	23588	End	24912
GI	7523413	Score	538
Exons	23588..23836, 23970..24080, 24377..24537, 24709..24912		
GI Descrip.	(AL138648) putative protein [Arabidopsis thaliana]		

Seq. No.	45958	Seq. ID	OJ000221_08.0320.C10
Gene No.	97348	Strand	-
Start	12318	End	16304
Name	OJ000221_08.0320.C10.o3.gs	Method	GENSCAN
Start	12318	End	16304
GI	none	Score	.4
Exons	12318..12329, 12461..12544, 12661..12919, 16258..16304		

Seq. No.	45958	Seq. ID	OJ000221_08.0320.C10
Gene No.	97349	Strand	-
Start	25327	End	28187
Name	OJ000221_08.0320.C10.o2.ts	Method	TBLASTX:Soybean
Start	10395	End	11472
GI	none	Score	62

Exons	10395..10475, 10476..10577, 11059..11187, 11109..11159, 11203..11472, 11256..11456		
Seq. No.	45958	Seq. ID	OJ000221_08.0320.C10
Gene No.	97349	Strand	-
Start	25327	End	28187
Name	OJ000221_08.0320.C10.o2.tm	Method	TBLASTX:Maize
Start	20615	End	24909
GI	none	Score	69
Exons	20615..20668, 20615..20662, 20630..20872, 20707..20814, 21341..21460, 21342..21446, 21383..21457, 21393..21461, 22532..22702, 22535..22702, 22536..22709, 22548..22709, 22796..23005, 22799..22846, 22801..23001, 23647..23775, 23969..24085, 24370..24546, 24691..24909, 24706..24897		
Seq. No.	45958	Seq. ID	OJ000221_08.0320.C10
Gene No.	97349	Strand	-
Start	25327	End	28187
Name	OJ000221_08.0320.C10.o2.tw	Method	TBLASTX:Wheat
Start	20657	End	23781
GI	none	Score	186
Exons	20657..20845, 20659..20829, 23647..23781		
Seq. No.	45958	Seq. ID	OJ000221_08.0320.C10
Gene No.	97349	Strand	-
Start	25327	End	28187
Name	OJ000221_08.0320.C10.o1.ts	Method	TBLASTX:Soybean
Start	20663	End	24921
GI	none	Score	176
Exons	20663..20893, 21302..21454, 21345..21446, 22535..22708, 22536..22709, 22796..23002, 22804..23001, 23647..23823, 23972..24070, 24387..24470, 24388..24546, 24691..24921, 24694..24897, 24717..24908		
Seq. No.	45958	Seq. ID	OJ000221_08.0320.C10
Gene No.	97349	Strand	-
Start	25327	End	28187
Name	OJ000221_08.0320.C10.o1.tw	Method	TBLASTX:Wheat
Start	22853	End	24954
GI	none	Score	189
Exons	22853..23002, 22861..22971, 24759..24896, 24760..24954		
Seq. No.	45958	Seq. ID	OJ000221_08.0320.C10
Gene No.	97349	Strand	-
Start	25327	End	28187
Name	OJ000221_08.0320.C10.o5.gs	Method	GENSCAN
Start	25327	End	28160
GI	none	Score	.53
Exons	25327..25437, 25605..25626, 25908..25987, 26345..26425, 26529..26605, 26725..26836, 26973..27048, 27493..28160		
Seq. No.	45958	Seq. ID	OJ000221_08.0320.C10
Gene No.	97349	Strand	-
Start	25327	End	28187
Name	OJ000221_08.0320.C10.o3.tm	Method	TBLASTX:Maize
Start	25746	End	26838
GI	none	Score	38

Exons	25746..25778, 25748..25777, 25907..25960, 25908..25982, 26339..26437, 26343..26426, 26526..26606, 26527..26607, 26720..26836, 26724..26837, 26725..26838		
Seq. No.	45958	Seq. ID	OJ000221_08.0320.C10
Gene No.	97349	Strand	-
Start	25327	End	28187
Name	OJ000221_08.0320.C10.o1.tm	Method	TBLASTX:Maize
Start	27490	End	28187
GI	none	Score	382
Exons	27490..27636, 27492..27842, 27493..27861, 27518..27862, 27521..27856, 27681..27866, 27883..27945, 27885..27947, 27885..27974, 27942..28187, 27948..28187		
Seq. No.	45959	Seq. ID	OJ000221_08.0320.C18
Gene No.	97350	Strand	+
Start	452	End	655
Name	OJ000221_08.0320.C18.o1.gs	Method	GENSCAN
Start	452	End	655
GI	none	Score	.8
Exons	452..655		
Seq. No.	45960	Seq. ID	OJ000221_08.0320.C25
Gene No.	97351	Strand	
Start	3	End	633
Name	OJ000221_08.0320.C25.o1.tm	Method	TBLASTX:Maize
Start	3	End	633
GI	none	Score	214
Exons	3..242, 6..209, 7..237, 8..244, 107..241, 236..271, 250..273, 537..632, 556..633		
Seq. No.	45961	Seq. ID	OJ000211_05.0323.C3
Gene No.	97352	Strand	+
Start	1	End	4073
Name	OJ000211_05.0323.C3.o1.gp	Method	AAT/GAP
Start	1	End	647
GI	905_1.R1084	Score	1271
Exons	1..647		
GI Descrip.	'3777602 1.0e-114 (AF095709) 50S ribosomal protein L10 [Oryza sativa]'		
Seq. No.	45961	Seq. ID	OJ000211_05.0323.C3
Gene No.	97352	Strand	+
Start	1	End	4073
Name	OJ000211_05.0323.C3.o1.np	Method	AAT/NAP
Start	1	End	529
GI	3777602	Score	895
Exons	1..529		
GI Descrip.	(AF095709) 50S ribosomal protein L10 [Oryza sativa]		
Seq. No.	45961	Seq. ID	OJ000211_05.0323.C3
Gene No.	97352	Strand	+
Start	1	End	4073
Name	OJ000211_05.0323.C3.o1.ts	Method	TBLASTX:Soybean
Start	25	End	454
GI	none	Score	711
Exons	25..453, 26..454		

Seq. No.	45961	Seq. ID	OJ000211_05.0323.C3
Gene No.	97352	Strand	+
Start	1	End	4073
Name	OJ000211_05.0323.C3.o1.tc	Method	TBLASTX:Cress
Start	29	End	289
GI	none	Score	83
Exons	29..124, 31..123, 131..289, 133..258		

Seq. No.	45961	Seq. ID	OJ000211_05.0323.C3
Gene No.	97352	Strand	+
Start	1	End	4073
Name	OJ000211_05.0323.C3.o1.gs	Method	GENSCAN
Start	77	End	4073
GI	none	Score	.66
Exons	77..517, 3539..3785, 4015..4073		

Seq. No.	45961	Seq. ID	OJ000211_05.0323.C3
Gene No.	97352	Strand	+
Start	1	End	4073
Name	OJ000211_05.0323.C3.o1.tm	Method	TBLASTX:Maize
Start	107	End	493
GI	none	Score	625
Exons	107..259, 109..492, 110..493		

Seq. No.	45962	Seq. ID	OJ000211_05.0323.C5
Gene No.	97353	Strand	+
Start	1823	End	5885
Name	OJ000211_05.0323.C5.o1.np	Method	AAT/NAP
Start	1823	End	3657
GI	5852093	Score	57
Exons	1823..1910, 3621..3657		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	45962	Seq. ID	OJ000211_05.0323.C5
Gene No.	97353	Strand	+
Start	1823	End	5885
Name	OJ000211_05.0323.C5.o1.gs	Method	GENSCAN
Start	2075	End	5093
GI	none	Score	.49
Exons	2075..2396, 2603..2690, 3453..3796, 4984..5093		

Seq. No.	45962	Seq. ID	OJ000211_05.0323.C5
Gene No.	97353	Strand	+
Start	1823	End	5885
Name	OJ000211_05.0323.C5.o1.gp	Method	AAT/GAP
Start	2549	End	3337
GI	none	Score	913
Exons	2549..2704, 2808..2932, 3034..3109, 3190..3337		

Seq. No.	45962	Seq. ID	OJ000211_05.0323.C5
Gene No.	97353	Strand	+
Start	1823	End	5885
Name	OJ000211_05.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	3556	End	3828
GI	none	Score	56
Exons	3556..3663, 3557..3637, 3580..3693, 3651..3818, 3652..3813,		

3718..3828, 3746..3817

Seq. No.	45962	Seq. ID	OJ000211_05.0323.C5
Gene No.	97353	Strand	+
Start	1823	End	5885
Name	OJ000211_05.0323.C5.o2.np	Method	AAT/NAP
Start	3638	End	5885
GI	7485762	Score	106
Exons	3638..3814, 5850..5885		
GI Descrip.	hypothetical protein F19D11.7 - Arabidopsis thaliana gi|3510253|gb|AAC33497.1| (AC005310) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45963	Seq. ID	OJ000211_05.0323.C8
Gene No.	97354	Strand	+
Start	1	End	1096
Name	OJ000211_05.0323.C8.o1.gp	Method	AAT/GAP
Start	1	End	360
GI	none	Score	666
Exons	1..360		

Seq. No.	45963	Seq. ID	OJ000211_05.0323.C8
Gene No.	97354	Strand	+
Start	1	End	1096
Name	OJ000211_05.0323.C8.o2.gp	Method	AAT/GAP
Start	1	End	1096
GI	none	Score	1346
Exons	1..31, 93..119, 371..1096		

Seq. No.	45963	Seq. ID	OJ000211_05.0323.C8
Gene No.	97354	Strand	+
Start	1	End	1096
Name	OJ000211_05.0323.C8.o1.np	Method	AAT/NAP
Start	1	End	482
GI	7413556	Score	60
Exons	1..32, 321..482		
GI Descrip.	(AL162973) putative protein [Arabidopsis thaliana]		

Seq. No.	45963	Seq. ID	OJ000211_05.0323.C8
Gene No.	97354	Strand	+
Start	1	End	1096
Name	OJ000211_05.0323.C8.o1.gs	Method	GENSCAN
Start	371	End	481
GI	none	Score	.91
Exons	371..481		

Seq. No.	45963	Seq. ID	OJ000211_05.0323.C8
Gene No.	97355	Strand	-
Start	928	End	2521
Name	OJ000211_05.0323.C8.o2.tm	Method	TBLASTX:Maize
Start	340	End	482
GI	none	Score	192
Exons	340..447, 342..482, 344..481		

Seq. No.	45963	Seq. ID	OJ000211_05.0323.C8
Gene No.	97355	Strand	-
Start	928	End	2521

Name	OJ000211_05.0323.C8.o2.gs	Method	GENSCAN
Start	928	End	2135
GI	none	Score	.8
Exons	928..1242, 1689..1835, 1927..2135		

Seq. No.	45963	Seq. ID	OJ000211_05.0323.C8
Gene No.	97355	Strand	-
Start	928	End	2521
Name	OJ000211_05.0323.C8.o1.tm	Method	TBLASTX:Maize
Start	1432	End	2156
GI	none	Score	194
Exons	1432..1551, 1433..1558, 1434..1559, 1686..1904, 1687..1905, 1927..2115, 1928..2155, 1929..2156		

Seq. No.	45963	Seq. ID	OJ000211_05.0323.C8
Gene No.	97355	Strand	-
Start	928	End	2521
Name	OJ000211_05.0323.C8.o2.np	Method	AAT/NAP
Start	1651	End	2521
GI	7486308	Score	202
Exons	1651..1835, 1927..2104, 2136..2297, 2478..2521		
GI Descrip.	hypothetical protein F28M11.10 - Arabidopsis thaliana gi|4538973|emb|CAB39761.1| (AL049487) hypothetical protein [Arabidopsis thaliana] gi|7267705|emb|CAB78132.1| (AL161516) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45963	Seq. ID	OJ000211_05.0323.C8
Gene No.	97355	Strand	-
Start	928	End	2521
Name	OJ000211_05.0323.C8.o1.ts	Method	TBLASTX:Soybean
Start	1686	End	2031
GI	none	Score	58
Exons	1686..1832, 1690..1752, 1922..2026, 1930..2031		

Seq. No.	45964	Seq. ID	OJ000211_05.0323.C9
Gene No.	97356	Strand	+
Start	1	End	3480
Name	OJ000211_05.0323.C9.o1.np	Method	AAT/NAP
Start	1	End	3480
GI	5430769	Score	97
Exons	1..159, 759..897, 3355..3480		
GI Descrip.	(AC007504) Similar to somatic embryogenesis receptor-like kinase [Arabidopsis thaliana]		

Seq. No.	45964	Seq. ID	OJ000211_05.0323.C9
Gene No.	97356	Strand	+
Start	1	End	3480
Name	OJ000211_05.0323.C9.o2.gs	Method	GENSCAN
Start	1577	End	3467
GI	none	Score	.92
Exons	1577..1616, 2174..2287, 3310..3467		

Seq. No.	45965	Seq. ID	OJ000211_05.0323.C10
Gene No.	97357	Strand	+
Start	1	End	2030
Name	OJ000211_05.0323.C10.o1.np	Method	AAT/NAP
Start	1	End	2030

GI	6642658	Score	626
Exons	1..69, 549..735, 845..1253, 1706..2030		
GI Descrip.	(AC012395) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	45965	Seq. ID	OJ000211_05.0323.C10
Gene No.	97357	Strand	+
Start	1	End	2030
Name	OJ000211_05.0323.C10.o1.gs	Method	GENSCAN
Start	170	End	1991
GI	none	Score	.86
Exons	170..232, 546..735, 845..1236, 1692..1991		

Seq. No.	45965	Seq. ID	OJ000211_05.0323.C10
Gene No.	97358	Strand	-
Start	3028	End	3110
Name	OJ000211_05.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	533	End	1865
GI	none	Score	227
Exons	533..715, 540..734, 540..734, 837..1235, 844..1251, 844..1236, 1707..1865, 1721..1855		

Seq. No.	45965	Seq. ID	OJ000211_05.0323.C10
Gene No.	97358	Strand	-
Start	3028	End	3110
Name	OJ000211_05.0323.C10.o1.tc	Method	TBLASTX:Cress
Start	540	End	1236
GI	none	Score	179
Exons	540..731, 835..930, 948..1232, 949..1236		

Seq. No.	45965	Seq. ID	OJ000211_05.0323.C10
Gene No.	97358	Strand	-
Start	3028	End	3110
Name	OJ000211_05.0323.C10.o1.ts	Method	TBLASTX:Soybean
Start	543	End	1859
GI	none	Score	221
Exons	543..740, 548..718, 582..734, 728..1078, 839..907, 843..1235, 844..1251, 1707..1859		

Seq. No.	45965	Seq. ID	OJ000211_05.0323.C10
Gene No.	97358	Strand	-
Start	3028	End	3110
Name	OJ000211_05.0323.C10.o1.tw	Method	TBLASTX:Wheat
Start	868	End	1236
GI	none	Score	75
Exons	868..930, 949..1236, 975..1235		

Seq. No.	45965	Seq. ID	OJ000211_05.0323.C10
Gene No.	97358	Strand	-
Start	3028	End	3110
Name	OJ000211_05.0323.C10.o1.gp	Method	AAT/GAP
Start	3028	End	3110
GI	5667177	Score	146
Exons	3028..3110		

Seq. No.	45966	Seq. ID	OJ000211_05.0323.C11
Gene No.	97359	Strand	-
Start	163	End	2848

Name	OJ000211_05.0323.C11.o1.gs	Method	GENSCAN
Start	163	End	2699
GI	none	Score	.94
Exons	163..277, 706..836, 899..1039, 1395..1464, 1922..1983, 2281..2699		

Seq. No.	45966	Seq. ID	OJ000211_05.0323.C11
Gene No.	97359	Strand	-
Start	163	End	2848
Name	OJ000211_05.0323.C11.o1.np	Method	AAT/NAP
Start	163	End	2848
GI	7329632	Score	708
Exons	163..255, 717..836, 938..1039, 1121..1201, 1395..1464, 1922..1968, 2281..2699, 2810..2848		
GI Descrip.	(AL132970) putative protein [Arabidopsis thaliana]		

Seq. No.	45966	Seq. ID	OJ000211_05.0323.C11
Gene No.	97359	Strand	-
Start	163	End	2848
Name	OJ000211_05.0323.C11.o2.tm	Method	TBLASTX:Maize
Start	726	End	1461
GI	none	Score	110
Exons	726..857, 745..840, 936..1043, 937..1092, 938..1045, 1115..1207, 1117..1227, 1118..1204, 1372..1461, 1392..1460		

Seq. No.	45966	Seq. ID	OJ000211_05.0323.C11
Gene No.	97359	Strand	-
Start	163	End	2848
Name	OJ000211_05.0323.C11.o1.gp	Method	AAT/GAP
Start	1951	End	2848
GI	2800402	Score	829
Exons	1951..1983, 2281..2711, 2825..2848		
GI Descrip.	4056483 6.0e-22 (AC005896) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45966	Seq. ID	OJ000211_05.0323.C11
Gene No.	97359	Strand	-
Start	163	End	2848
Name	OJ000211_05.0323.C11.o1.tm	Method	TBLASTX:Maize
Start	2380	End	2847
GI	none	Score	57
Exons	2380..2436, 2381..2434, 2432..2701, 2437..2700, 2808..2846, 2809..2847		

Seq. No.	45966	Seq. ID	OJ000211_05.0323.C11
Gene No.	97359	Strand	-
Start	163	End	2848
Name	OJ000211_05.0323.C11.o1.tw	Method	TBLASTX:Wheat
Start	2432	End	2798
GI	none	Score	362
Exons	2432..2728, 2437..2727, 2760..2798		

Seq. No.	45966	Seq. ID	OJ000211_05.0323.C11
Gene No.	97359	Strand	-
Start	163	End	2848
Name	OJ000211_05.0323.C11.o1.ts	Method	TBLASTX:Soybean
Start	2502	End	2743

GI	none	Score	105
Exons	2502..2696, 2503..2742, 2504..2743		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97360	Strand	+
Start	6677	End	7246
Name	OJ000211_05.0323.C12.o2.gs	Method	GENSCAN
Start	6677	End	7246
GI	none	Score	.7
Exons	6677..6789, 7000..7171, 7196..7246		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97361	Strand	+
Start	9537	End	21836
Name	OJ000211_05.0323.C12.o2.np	Method	AAT/NAP
Start	9537	End	13679
GI	7484841	Score	575
Exons	9537..9728, 9841..9953, 10286..10349, 12074..12171, 12269..12319, 12464..12577, 13239..13295, 13375..13473, 13584..13679		
GI Descrip.	CDP-diacylglycerol--glycerol-3-phosphate 3-phosphatidyltransferase homolog T16B24.7 - Arabidopsis thaliana gi|3402692|gb|AAC28995.1| (AC004697) putative CDP-diacylglycerol--glycerol-3-phosphate 3-phosphatidyltransferase [Arabidopsis thaliana]		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97361	Strand	+
Start	9537	End	21836
Name	OJ000211_05.0323.C12.o5.gs	Method	GENSCAN
Start	12082	End	21836
GI	none	Score	.49
Exons	12082..12171, 12464..12577, 13375..13460, 14447..16077, 19086..19201, 19852..20042, 20192..20321, 20427..20654, 20670..20806, 21410..21836		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97361	Strand	+
Start	9537	End	21836
Name	OJ000211_05.0323.C12.o3.np	Method	AAT/NAP
Start	14379	End	16342
GI	4056485	Score	1335
Exons	14379..16342		
GI Descrip.	(AC005896) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97361	Strand	+
Start	9537	End	21836
Name	OJ000211_05.0323.C12.o3.gp	Method	AAT/GAP
Start	20415	End	20816
GI	2427950	Score	738
Exons	20415..20816		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97362	Strand	+
Start	27491	End	29752
Name	OJ000211_05.0323.C12.o5.gp	Method	AAT/GAP

Start	27439	End	28316
GI	2312724	Score	682
Exons	27439..27516, 27640..27713, 27822..27882, 27998..28084, 28192..28316		
GI Descrip.	1352460/sp|P49248|IN21_MAIZE 5.0e-39 IN2-1 PROTEIN >gi_100896_pir__S17743 In2-1 protein - maize >gi_22347_emb_CAA41447_ (X58573) In2-1 [Zea mays]		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97362	Strand	+
Start	27491	End	29752
Name	OJ000211_05.0323.C12.o4.np	Method	AAT/NAP
Start	27491	End	29713
GI	1352460	Score	793
Exons	27491..27516, 27639..27713, 27822..27882, 27998..28084, 28192..28290, 28453..28561, 28861..28937, 29519..29713		
GI Descrip.	IN2-1 PROTEIN gi|100896|pir||S17743 In2-1 protein - maize gi|22347|emb|CAA41447.1| (X58573) In2-1 [Zea mays]		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97362	Strand	+
Start	27491	End	29752
Name	OJ000211_05.0323.C12.o7.gs	Method	GENSCAN
Start	27491	End	29752
GI	none	Score	91
Exons	27491..27512, 27567..27718, 27998..28084, 28192..28290, 28453..28561, 28861..28937, 29519..29752		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97363	Strand	+
Start	31510	End	36477
Name	OJ000211_05.0323.C12.o8.gs	Method	GENSCAN
Start	31510	End	36477
GI	none	Score	.69
Exons	31510..31562, 32483..32620, 32726..32800, 32932..32992, 33152..33238, 33652..33750, 33843..33951, 34063..34139, 34254..34377, 35050..35125, 35369..35398, 36246..36477		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97363	Strand	+
Start	31510	End	36477
Name	OJ000211_05.0323.C12.o6.np	Method	AAT/NAP
Start	32700	End	34647
GI	7489703	Score	637
Exons	32700..32800, 32932..32992, 33152..33238, 33652..33750, 33843..33951, 34063..34139, 34254..34361, 34561..34647		
GI Descrip.	safener-induced In2.1-like protein - wheat gi|3393062|emb|CAA76758.1| (Y17386) putative In2.1 protein [Triticum aestivum]		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97363	Strand	+
Start	31510	End	36477
Name	OJ000211_05.0323.C12.o6.gp	Method	AAT/GAP
Start	32716	End	34300
GI	35891_1.R1084	Score	959
Exons	32716..32800, 32932..32992, 33152..33238, 33652..33750,		

	33843..33951, 34063..34139, 34254..34300		
GI Descrip.	'3393062/emb|CAA76758.1| 9.0e-67 (Y17386) putative In2.1 protein [Triticum aestivum]'		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97364	Strand	+
Start	36979	End	38671
Name	OJ000211_05.0323.C12.o10.np	Method	AAT/NAP
Start	36979	End	38550
GI	7329634	Score	435
Exons	36979..37224, 37373..37432, 37536..37619, 37696..37794, 37874..37977, 38082..38157, 38246..38353, 38453..38550		
GI Descrip.	(AL132970) putative protein [Arabidopsis thaliana]		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97364	Strand	+
Start	36979	End	38671
Name	OJ000211_05.0323.C12.o9.np	Method	AAT/NAP
Start	37124	End	38539
GI	7489703	Score	434
Exons	37124..37224, 37373..37432, 37536..37619, 37696..37794, 37874..37982, 38081..38157, 38246..38353, 38453..38539		
GI Descrip.	safener-induced In2.1-like protein - wheat gi|3393062|emb|CAA76758.1| (Y17386) putative In2.1 protein [Triticum aestivum]		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97364	Strand	+
Start	36979	End	38671
Name	OJ000211_05.0323.C12.o7.np	Method	AAT/NAP
Start	37136	End	38533
GI	7413554	Score	393
Exons	37136..37241, 37389..37432, 37536..37619, 37696..37794, 37874..37976, 38081..38157, 38246..38353, 38453..38533		
GI Descrip.	(AL162973) putative protein [Arabidopsis thaliana]		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97364	Strand	+
Start	36979	End	38671
Name	OJ000211_05.0323.C12.o9.gs	Method	GENSCAN
Start	37411	End	38671
GI	none	Score	.98
Exons	37411..37432, 37489..37619, 37696..37794, 38246..38353, 38453..38541, 38620..38671		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97365	Strand	+
Start	44066	End	46582
Name	OJ000211_05.0323.C12.o11.gs	Method	GENSCAN
Start	44066	End	46582
GI	none	Score	.97
Exons	44066..44147, 45685..45860, 45952..46138, 46353..46582		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97365	Strand	+
Start	44066	End	46582
Name	OJ000211_05.0323.C12.o13.np	Method	AAT/NAP

Start	45606	End	46579
GI	6729500	Score	511
Exons	45606..45860, 45952..46135, 46353..46579		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97366	Strand	+
Start	50286	End	51123
Name	OJ000211_05.0323.C12.o13.gs	Method	GENSCAN
Start	50286	End	51123
GI	none	Score	.8
Exons	50286..50370, 50573..50627, 51003..51123		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97367	Strand	-
Start	1	End	4216
Name	OJ000211_05.0323.C12.o1.np	Method	AAT/NAP
Start	1	End	3289
GI	7329632	Score	613
Exons	1..129, 198..264, 401..459, 1060..1173, 1287..1460, 1550..1894, 1994..2175, 2383..2455, 2565..2637, 3210..3289		
GI Descrip.	(AL132970) putative protein [Arabidopsis thaliana]		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97367	Strand	-
Start	1	End	4216
Name	OJ000211_05.0323.C12.o1.gs	Method	GENSCAN
Start	34	End	4216
GI	none	Score	.83
Exons	34..129, 198..264, 401..459, 1060..1173, 1287..1460, 1550..2455, 2565..2708, 3368..3500, 3816..3941, 4026..4216		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97368	Strand	-
Start	7745	End	8302
Name	OJ000211_05.0323.C12.o3.gs	Method	GENSCAN
Start	7745	End	8302
GI	none	Score	.99
Exons	7745..8302		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97369	Strand	-
Start	9283	End	11083
Name	OJ000211_05.0323.C12.o4.gs	Method	GENSCAN
Start	9283	End	11083
GI	none	Score	.76
Exons	9283..9487, 10040..10196, 10312..10490, 11067..11083		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97370	Strand	-
Start	13552	End	14088
Name	OJ000211_05.0323.C12.o1.gp	Method	AAT/GAP
Start	13552	End	14088
GI	none	Score	1010
Exons	13552..14088		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12

Gene No.	97371	Strand	-
Start	16396	End	16820
Name	OJ000211_05.0323.C12.o2.gp	Method	AAT/GAP
Start	16396	End	16820
GI	uC-osrocyp026h07a1	Score	781
Exons	16396..16820		
GI Descrip.	'1352460/sp|P49248|IN21_MAIZE 5.0e-39 IN2-1 PROTEIN >gi_100896_pir__S17743 In2-1 protein - maize >gi_22347_emb_CAA41447_ (X58573) In2-1 [Zea mays]'		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97372	Strand	-
Start	22681	End	25552
Name	OJ000211_05.0323.C12.o4.gp	Method	AAT/GAP
Start	22508	End	23219
GI	1632338	Score	843
Exons	22508..22719, 22807..22868, 22947..23004, 23095..23219		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97372	Strand	-
Start	22681	End	25552
Name	OJ000211_05.0323.C12.o6.gs	Method	GENSCAN
Start	22681	End	25552
GI	none	Score	.87
Exons	22681..22719, 22947..23004, 23095..23217, 23317..23379, 25068..25351, 25379..25552		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97373	Strand	-
Start	40443	End	48161
Name	OJ000211_05.0323.C12.o10.gs	Method	GENSCAN
Start	40443	End	43516
GI	none	Score	.5
Exons	40443..40575, 40780..40880, 41640..41687, 42739..42887, 43321..43516		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97373	Strand	-
Start	40443	End	48161
Name	OJ000211_05.0323.C12.o11.np	Method	AAT/NAP
Start	40446	End	41881
GI	7413549	Score	109
Exons	40446..40575, 40780..40880, 41640..41687, 41777..41881		
GI Descrip.	(AL162973) putative protein [Arabidopsis thaliana]		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97373	Strand	-
Start	40443	End	48161
Name	OJ000211_05.0323.C12.o7.gp	Method	AAT/GAP
Start	41222	End	41321
GI	69953_1.R1084	Score	128
Exons	41222..41321		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97373	Strand	-

Start	40443	End	48161
Name	OJ000211_05.0323.C12.o12.np	Method	AAT/NAP
Start	42310	End	47872
GI	4507911	Score	80
Exons	42310..42427, 43267..43481, 43523..43711, 43950..44085, 47394..47872		
GI Descrip.	Wiskott-Aldrich syndrome protein interacting protein gi|2906006 (AF031588) WASP interacting protein [Homo sapiens]		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97373	Strand	-
Start	40443	End	48161
Name	OJ000211_05.0323.C12.o14.np	Method	AAT/NAP
Start	45195	End	48094
GI	2500543	Score	229
Exons	45195..45230, 47178..48094		
GI Descrip.	PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE EEED8.5 gi|733602 (U23484) similar to S. cerevisiae pre-mRNA splicing factor RNA helicase PRP22 (SP:PR22_YEAST, P24384) and other DEAH subfamily members of the DEAD box family helicases [Caenorhabditis elegans]		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97373	Strand	-
Start	40443	End	48161
Name	OJ000211_05.0323.C12.o12.gs	Method	GENSCAN
Start	46947	End	48161
GI	none	Score	.99
Exons	46947..48161		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97374	Strand	-
Start	48512	End	50602
Name	OJ000211_05.0323.C12.o15.np	Method	AAT/NAP
Start	48512	End	50602
GI	7523517	Score	256
Exons	48512..48537, 50305..50602		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179
Name	OJ000211_05.0323.C12.o6.tm	Method	TBLASTX:Maize
Start	1029	End	1317
GI	none	Score	140
Exons	1029..1187, 1044..1187, 1049..1189, 1054..1188, 1276..1317, 1276..1311, 1284..1316		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179
Name	OJ000211_05.0323.C12.o4.tm	Method	TBLASTX:Maize
Start	10115	End	14048
GI	none	Score	44
Exons	10115..10159, 10232..10258, 10313..10351, 12061..12234, 12075..12170, 12261..12317, 12266..12319, 12266..12319, 12457..12576, 12461..12580, 12461..12577, 12463..12591,		

13236..13298, 13237..13302, 13238..13312, 13239..13307,
13372..13455, 13374..13454, 13553..13726, 13560..13691,
13995..14048

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179
Name	OJ000211_05.0323.C12.o2.tc	Method	TBLASTX:Cress
Start	12457	End	13679
GI	none	Score	139
Exons	12457..12576, 12461..12580, 13238..13312, 13239..13313, 13366..13476, 13374..13460, 13575..13637, 13638..13679		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179
Name	OJ000211_05.0323.C12.o4.ts	Method	TBLASTX:Soybean
Start	12533	End	13681
GI	none	Score	80
Exons	12533..12580, 13238..13312, 13239..13307, 13365..13448, 13366..13455, 13372..13455, 13374..13463, 13581..13679, 13583..13681		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179
Name	OJ000211_05.0323.C12.o2.tm	Method	TBLASTX:Maize
Start	14427	End	16193
GI	none	Score	141
Exons	14427..14663, 14463..14663, 14472..14678, 14811..15029, 14814..15017, 14825..15016, 14864..14959, 14985..15344, 15041..15358, 15045..15368, 15056..15364, 15057..15362, 15279..15443, 15369..15755, 15438..16193, 15453..15788, 15633..15848, 15728..15994, 16070..16186		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179
Name	OJ000211_05.0323.C12.o1.tc	Method	TBLASTX:Cress
Start	14439	End	15971
GI	none	Score	101
Exons	14439..14705, 14502..14681, 14550..14681, 14811..14969, 14814..15074, 14837..15073, 14844..15020, 15050..15322, 15051..15344, 15075..15743, 15417..15743, 15618..15836, 15750..15866, 15867..15971		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179
Name	OJ000211_05.0323.C12.o1.tw	Method	TBLASTX:Wheat
Start	15057	End	15890
GI	none	Score	169
Exons	15057..15395, 15420..15887, 15588..15890, 15720..15812		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179

Name	OJ000211_05.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	15750	End	16193
GI	none	Score	305
Exons	15750..16193		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179
Name	OJ000211_05.0323.C12.o7.tm	Method	TBLASTX:Maize
Start	22821	End	23382
GI	none	Score	44
Exons	22821..22862, 22822..22863, 22822..22866, 22946..22984, 22946..22978, 22947..22979, 22982..23008, 22983..23009, 23087..23182, 23091..23201, 23091..23219, 23101..23202, 23173..23235, 23303..23350, 23315..23350, 23316..23381, 23335..23382, 23338..23382		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179
Name	OJ000211_05.0323.C12.o2.tw	Method	TBLASTX:Wheat
Start	23090	End	25161
GI	none	Score	94
Exons	23090..23200, 23091..23201, 23091..23207, 23095..23202, 23303..23380, 23314..23382, 23316..23381, 23316..23381, 25065..25157, 25066..25161, 25103..25156		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179
Name	OJ000211_05.0323.C12.o2.ts	Method	TBLASTX:Soybean
Start	27592	End	38527
GI	none	Score	65
Exons	27592..27714, 27667..27714, 27826..27882, 27995..28087, 27997..28086, 28191..28304, 28192..28287, 28453..28530, 28865..28939, 28866..28940, 29519..29713, 29584..29688, 32735..32800, 32782..32802, 32929..33003, 32930..32998, 33146..33250, 33151..33240, 33651..33746, 33655..33747, 34068..34142, 34101..34142, 34254..34367, 34254..34379, 34555..34635, 37385..37447, 37388..37459, 37530..37601, 37535..37600, 37693..37791, 37693..37770, 37695..37790, 37874..37951, 38086..38160, 38117..38158, 38225..38350, 38245..38343, 38450..38527, 38452..38523		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179
Name	OJ000211_05.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	27637	End	38562
GI	none	Score	94
Exons	27637..27714, 27637..27714, 27826..27882, 27995..28087, 27996..28085, 27997..28086, 28191..28292, 28192..28290, 28450..28557, 28452..28556, 28857..28940, 28859..28939, 28860..28946, 29518..29694, 29519..29704, 32723..32800, 32723..32800, 32930..32998, 32934..32993, 33126..33239, 33146..33250, 33151..33240, 33650..33745, 33651..33752, 33655..33750, 33838..33942, 33840..33950, 33882..33944,		

34059..34142, 34061..34141, 34062..34142, 34253..34363,
34254..34367, 34254..34382, 34255..34383, 34530..34640,
34555..34644, 34558..34650, 37079..37240, 37381..37434,
37390..37440, 37391..37447, 37530..37601, 37530..37601,
37534..37602, 37693..37794, 37695..37796, 37874..37981,
38077..38160, 38082..38174, 38237..38350, 38242..38364,
38244..38318, 38245..38334, 38246..38383, 38450..38536,
38452..38562

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179
Name	OJ000211_05.0323.C12.o9.tm	Method	TBLASTX:Maize
Start	30757	End	30976
GI	none	Score	104
Exons	30757..30975, 30758..30976		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179
Name	OJ000211_05.0323.C12.o8.tm	Method	TBLASTX:Maize
Start	40443	End	42889
GI	none	Score	126
Exons	40443..40577, 40443..40577, 40444..40578, 40444..40581, 40779..40880, 40780..40878, 40784..40882, 40785..40880, 41637..41690, 41638..41700, 41774..41866, 41780..41866, 42715..42879, 42730..42888, 42818..42889		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179
Name	OJ000211_05.0323.C12.o3.ts	Method	TBLASTX:Soybean
Start	45675	End	46023
GI	none	Score	167
Exons	45675..45860, 45719..45859, 45945..46010, 45946..46023		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179
Name	OJ000211_05.0323.C12.o3.tm	Method	TBLASTX:Maize
Start	45683	End	46440
GI	none	Score	92
Exons	45683..45754, 45684..45770, 45721..45861, 45755..45859, 45756..45875, 45955..46023, 45958..46023, 45959..46024, 46000..46140, 46018..46131, 46019..46132, 46065..46139, 46363..46440		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179
Name	OJ000211_05.0323.C12.o3.tw	Method	TBLASTX:Wheat
Start	54388	End	54714
GI	none	Score	73
Exons	54388..54498, 54405..54515, 54533..54595, 54613..54714		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-

Start	57058	End	57179
Name	OJ000211_05.0323.C12.o5.tm	Method	TBLASTX:Maize
Start	54447	End	54850
GI	none	Score	52
Exons	54447..54515, 54472..54528, 54545..54595, 54552..54584, 54596..54850, 54601..54849		

Seq. No.	45967	Seq. ID	OJ000211_05.0323.C12
Gene No.	97375	Strand	-
Start	57058	End	57179
Name	OJ000211_05.0323.C12.o16.np	Method	AAT/NAP
Start	57058	End	57179
GI	7339719	Score	86
Exons	57058..57179		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	45968	Seq. ID	OJ000211_05.0323.C13
Gene No.	97376	Strand	+
Start	198	End	10114
Name	OJ000211_05.0323.C13.o1.gs	Method	GENSCAN
Start	198	End	10114
GI	none	Score	.54
Exons	198..294, 1183..1245, 1589..2359, 2494..3664, 3788..3989, 4141..4598, 4893..5187, 5858..5870, 6186..6263, 6472..6696, 8164..8202, 8947..8967, 9754..9936, 9989..10114		

Seq. No.	45968	Seq. ID	OJ000211_05.0323.C13
Gene No.	97376	Strand	+
Start	198	End	10114
Name	OJ000211_05.0323.C13.o2.tm	Method	TBLASTX:Maize
Start	3635	End	3845
GI	none	Score	186
Exons	3635..3844, 3643..3837, 3656..3841, 3663..3845		

Seq. No.	45968	Seq. ID	OJ000211_05.0323.C13
Gene No.	97376	Strand	+
Start	198	End	10114
Name	OJ000211_05.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	4134	End	5353
GI	none	Score	174
Exons	4134..4313, 4150..4311, 4329..4388, 4403..4636, 4455..4625, 4638..4709, 4645..4719, 4646..4711, 4701..4772, 4706..4765, 4804..4833, 4805..4834, 4850..4948, 4862..4948, 4997..5050, 5004..5051, 5048..5104, 5102..5257, 5294..5353		

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97377	Strand	+
Start	2426	End	2793
Name	OJ000221_07.0323.C1.o2.gs	Method	GENSCAN
Start	2426	End	2793
GI	none	Score	.77
Exons	2426..2433, 2610..2793		

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97378	Strand	+
Start	11232	End	19476
Name	OJ000221_07.0323.C1.o4.np	Method	AAT/NAP

Start	11232	End	19476
GI	5852093	Score	86
Exons	11232..11262, 14689..14796, 15647..15691, 19398..19476		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97378	Strand	+
Start	11232	End	19476
Name	OJ000221_07.0323.C1.o6.gs	Method	GENSCAN
Start	14130	End	19040
GI	none	Score	.88
Exons	14130..14330, 15896..16003, 16102..16188, 16858..16945, 17499..17590, 17696..17760, 17848..17936, 18195..18283, 18535..18598, 18724..18764, 18849..19040		

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97378	Strand	+
Start	11232	End	19476
Name	OJ000221_07.0323.C1.o3.gp	Method	AAT/GAP
Start	15589	End	19332
GI	11471_1.R1084	Score	2590
Exons	15589..15691, 15896..16003, 16102..16188, 16858..16945, 17499..17590, 17696..17760, 17848..17936, 18030..18107, 18195..18288, 18373..18439, 18535..18598, 18724..18764, 18849..19332		
GI Descrip.	'3927825 1.0e-172 (AC005727) putative dTDP-glucose 4-6-dehydratase [Arabidopsis thaliana]'		

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97378	Strand	+
Start	11232	End	19476
Name	OJ000221_07.0323.C1.o5.np	Method	AAT/NAP
Start	15920	End	19028
GI	3927825	Score	1275
Exons	15920..16003, 16102..16188, 16858..16945, 17499..17590, 17696..17760, 17848..17936, 18030..18107, 18195..18288, 18373..18439, 18535..18598, 18724..18764, 18849..19028		
GI Descrip.	(AC005727) putative nucleotide-sugar dehydratase [Arabidopsis thaliana]		

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97379	Strand	-
Start	641	End	1532
Name	OJ000221_07.0323.C1.o1.gs	Method	GENSCAN
Start	641	End	1532
GI	none	Score	.94
Exons	641..1094, 1189..1532		

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97379	Strand	-
Start	641	End	1532
Name	OJ000221_07.0323.C1.o1.np	Method	AAT/NAP
Start	647	End	1532
GI	3643271	Score	737
Exons	647..1094, 1189..1532		
GI Descrip.	(AF090872) 33 kDa secretory protein [Oryza sativa] gi|3851590 (AF093570) 33 kDa secretory protein [Oryza sativa] gi|4249681		

(AF097724) 33 kDa secretory protein [Oryza sativa]

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97380	Strand	-
Start	4570	End	5455
Name	OJ000221_07.0323.C1.o3.gs	Method	GENSCAN
Start	4570	End	5455
GI	none	Score	.87
Exons	4570..5020, 5109..5455		

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97380	Strand	-
Start	4570	End	5455
Name	OJ000221_07.0323.C1.o2.np	Method	AAT/NAP
Start	4576	End	5451
GI	3643271	Score	715
Exons	4576..5020, 5109..5451		
GI Descrip.	(AF090872) 33 kDa secretory protein [Oryza sativa] gi|3851590 (AF093570) 33 kDa secretory protein [Oryza sativa] gi|4249681 (AF097724) 33 kDa secretory protein [Oryza sativa]		

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97381	Strand	-
Start	5805	End	5947
Name	OJ000221_07.0323.C1.o1.gp	Method	AAT/GAP
Start	5805	End	5947
GI	LIB3474-009-P1-K1-F11	Score	223
Exons	5805..5947		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97382	Strand	-
Start	7790	End	10838
Name	OJ000221_07.0323.C1.o4.gs	Method	GENSCAN
Start	7790	End	10838
GI	none	Score	.81
Exons	7790..8014, 8052..8438, 8811..8915, 10737..10838		

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97382	Strand	-
Start	7790	End	10838
Name	OJ000221_07.0323.C1.o3.np	Method	AAT/NAP
Start	8267	End	8552
GI	121631	Score	133
Exons	8267..8552		
GI Descrip.	GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN 2 PRECURSOR gi|72323|pir||KNNT2S glycine-rich protein 2 - wood tobacco gi|19743|emb|CAA42622| (X60007) nsGRP-2 [Nicotiana sylvestris]		

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97383	Strand	-
Start	11796	End	13190
Name	OJ000221_07.0323.C1.o2.tm	Method	TBLASTX:Maize
Start	761	End	5462
GI	none	Score	115
Exons	761..877, 1191..1316, 1192..1317, 1305..1517, 1306..1524,		

4687..4803, 5111..5293, 5112..5237, 5225..5461, 5226..5462

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97383	Strand	-
Start	11796	End	13190
Name	OJ000221_07.0323.C1.o2.ts	Method	TBLASTX:Soybean
Start	959	End	5383
GI	none	Score	183
Exons	959..1093, 1185..1307, 4642..4803, 4870..5019, 5096..5383		

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97383	Strand	-
Start	11796	End	13190
Name	OJ000221_07.0323.C1.o3.tm	Method	TBLASTX:Maize
Start	6448	End	8546
GI	none	Score	65
Exons	6448..6531, 8276..8401, 8283..8417, 8283..8546, 8434..8544		

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97383	Strand	-
Start	11796	End	13190
Name	OJ000221_07.0323.C1.o2.tw	Method	TBLASTX:Wheat
Start	8286	End	8546
GI	none	Score	89
Exons	8286..8546, 8287..8388, 8304..8417, 8437..8535		

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97383	Strand	-
Start	11796	End	13190
Name	OJ000221_07.0323.C1.o5.gs	Method	GENSCAN
Start	11796	End	13190
GI	none	Score	.67
Exons	11796..11853, 12613..13190		

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97384	Strand	
Start	15894	End	19307
Name	OJ000221_07.0323.C1.o1.tw	Method	TBLASTX:Wheat
Start	15894	End	19145
GI	none	Score	53
Exons	15894..15941, 15895..15942, 15980..16003, 15982..16008, 16086..16190, 16099..16191, 16099..16149, 16101..16190, 16841..16948, 16855..16950, 16857..16973, 17480..17590, 17497..17589, 17651..17767, 17681..17758, 17689..17769, 17694..17789, 17845..17937, 17846..17938, 17852..17938, 18028..18111, 18029..18106, 18191..18289, 18194..18283, 18372..18440, 18373..18441, 18373..18441, 18374..18442, 18533..18607, 18534..18608, 18534..18620, 18535..18609, 18721..18762, 18722..18763, 18723..18767, 18819..19073, 18846..19004, 18952..19062, 19079..19144, 19125..19145		

Seq. No.	45969	Seq. ID	OJ000221_07.0323.C1
Gene No.	97384	Strand	
Start	15894	End	19307
Name	OJ000221_07.0323.C1.o1.ts	Method	TBLASTX:Soybean
Start	15908	End	19031
GI	none	Score	50

Exons 15908..16003, 16099..16191, 16110..16190, 16855..16950,
16855..16944, 16857..16973, 17480..17590, 17497..17586,
17651..17767, 17653..17760, 17681..17770, 17845..17937,
17846..17938, 17846..17938, 18028..18111, 18029..18106,
18191..18289, 18193..18288, 18200..18289, 18373..18441,
18374..18442, 18399..18446, 18399..18449, 18534..18608,
18534..18608, 18535..18609, 18722..18769, 18723..18767,
18846..19031, 18846..19001

Seq. No. 45969 Seq. ID OJ000221_07.0323.C1
Gene No. 97384 Strand
Start 15894 End 19307
Name OJ000221_07.0323.C1.o1.tc Method TBLASTX:Cress
Start 16099 End 19027
GI none Score 140
Exons 16099..16191, 16104..16190, 16855..16950, 16857..16943,
17480..17590, 17497..17586, 17651..17767, 17653..17760,
17845..17937, 17846..17938, 17846..17938, 18028..18111,
18029..18106, 18191..18289, 18193..18288, 18197..18289,
18373..18441, 18374..18442, 18534..18608, 18535..18609,
18722..18769, 18723..18767, 18846..19025, 18846..19001,
18848..19027

Seq. No. 45969 Seq. ID OJ000221_07.0323.C1
Gene No. 97384 Strand
Start 15894 End 19307
Name OJ000221_07.0323.C1.o1.tm Method TBLASTX:Maize
Start 16132 End 19307
GI none Score 104
Exons 16132..16191, 16134..16190, 16855..16917, 16857..16916,
17490..17540, 17498..17590, 17499..17588, 17651..17770,
17689..17769, 17830..17937, 17837..17938, 17837..17938,
18028..18111, 18029..18106, 18191..18358, 18193..18324,
18368..18451, 18370..18450, 18525..18608, 18526..18609,
18529..18609, 18531..18620, 18721..18762, 18722..18763,
18722..18769, 18819..19109, 18846..19004, 18952..19044,
19074..19208, 19086..19208, 19221..19307, 19225..19305

Seq. No. 45970 Seq. ID OJ000221_07.0323.C2
Gene No. 97385 Strand -
Start 245 End 819
Name OJ000221_07.0323.C2.o1.gs Method GENSCAN
Start 245 End 819
GI none Score .43
Exons 245..449, 698..819

Seq. No. 45971 Seq. ID OJ000221_07.0323.C4
Gene No. 97386 Strand +
Start 841 End 3287
Name OJ000221_07.0323.C4.o1.gp Method AAT/GAP
Start 841 End 1044
GI 699870 Score 351
Exons 841..1044
GI Descrip. 4836876/gb|AAD30579.1|AC007260_10 9.0e-12 (AC007260) Similar to
dTDP-D-glucose 4,6-dehydratase [Arabidopsis thaliana]

Seq. No. 45971 Seq. ID OJ000221_07.0323.C4

Gene No.	97386	Strand	+
Start	841	End	3287
Name	OJ000221_07.0323.C4.o1.gs	Method	GENSCAN
Start	847	End	2969
GI	none	Score	.97
Exons	847..2421, 2517..2969		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97386	Strand	+
Start	841	End	3287
Name	OJ000221_07.0323.C4.o1.np	Method	AAT/NAP
Start	847	End	2957
GI	4836876	Score	2980
Exons	847..2421, 2517..2957		
GI Descrip.	(AC007260) Similar to dTDP-D-glucose 4,6-dehydratase [Arabidopsis thaliana]		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97386	Strand	+
Start	841	End	3287
Name	OJ000221_07.0323.C4.o2.gp	Method	AAT/GAP
Start	1288	End	1903
GI	48708_1.R1084	Score	1135
Exons	1288..1903		
GI Descrip.	'4836876/gb|AAD30579.1|AC007260_10 4.0e-55 (AC007260) Similar to dTDP-D-glucose 4,6-dehydratase [Arabidopsis thaliana]'		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97386	Strand	+
Start	841	End	3287
Name	OJ000221_07.0323.C4.o3.gp	Method	AAT/GAP
Start	2577	End	3287
GI	21236_1.R1084	Score	1295
Exons	2577..3287		
GI Descrip.	'2982303 7.0e-43 (AF051236) hypothetical protein [Picea mariana]'		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97387	Strand	+
Start	10045	End	10368
Name	OJ000221_07.0323.C4.o3.gs	Method	GENSCAN
Start	10045	End	10368
GI	none	Score	1
Exons	10045..10368		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97388	Strand	+
Start	15936	End	18259
Name	OJ000221_07.0323.C4.o5.gs	Method	GENSCAN
Start	15936	End	18135
GI	none	Score	.92
Exons	15936..16173, 17170..17288, 17371..17564, 17659..17915, 18029..18135		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97388	Strand	+
Start	15936	End	18259

Name	OJ000221_07.0323.C4.o3.np	Method	AAT/NAP
Start	15945	End	18259
GI	4415911	Score	644
Exons	15945..16173, 17170..17288, 17371..17568, 17663..17915, 18029..18135, 18200..18259		
GI Descrip.	(AC006282) putative poly(A)-binding protein [Arabidopsis thaliana]		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97388	Strand	+
Start	15936	End	18259
Name	OJ000221_07.0323.C4.o8.gp	Method	AAT/GAP
Start	17512	End	18259
GI	uC-osf1M202035e12b1	Score	862
Exons	17512..17564, 17659..17915, 18029..18135, 18200..18259		
GI Descrip.	'4415911/gb|AAD20142| 9.0e-36 (AC006282) putative polyA binding protein [Arabidopsis thaliana]'		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97389	Strand	-
Start	4794	End	7092
Name	OJ000221_07.0323.C4.o4.gp	Method	AAT/GAP
Start	4794	End	7092
GI	7293_1.R1084	Score	2133
Exons	4794..4935, 5046..5649, 6119..6297, 6387..6455, 6937..7092		
GI Descrip.	'1916290 8.0e-24 (U89876) ALY [Mus musculus]'		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97390	Strand	-
Start	10680	End	13505
Name	OJ000221_07.0323.C4.o4.gs	Method	GENSCAN
Start	10680	End	13419
GI	none	Score	.64
Exons	10680..11225, 11648..11737, 12628..13419		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97390	Strand	-
Start	10680	End	13505
Name	OJ000221_07.0323.C4.o2.np	Method	AAT/NAP
Start	10683	End	13413
GI	7485439	Score	1190
Exons	10683..11159, 11648..11737, 12628..13413		
GI Descrip.	hypothetical protein F13M22.5 - Arabidopsis thaliana gi|3236238|gb|AAC23626.1| (AC004684) putative ADP-ribosylation factor 1 GTPase activating protein [Arabidopsis thaliana] gi|4519792|dbj|BAA75744.1| (AB017876) Asp1 [Arabidopsis thaliana]		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97390	Strand	-
Start	10680	End	13505
Name	OJ000221_07.0323.C4.o5.gp	Method	AAT/GAP
Start	10761	End	11132
GI	LIB3433-014-Q6-K1-E2	Score	707
Exons	10761..11132		
GI Descrip.	'3236238 4.0e-21 (AC004684) putative ARF1 GTPase activating protein [Arabidopsis thaliana] >gi_4519792_dbj_BAA75744.1_		

(AB017876) Asp1 [Arabidopsis thaliana]'

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97390	Strand	-
Start	10680	End	13505
Name	OJ000221_07.0323.C4.o6.gp	Method	AAT/GAP
Start	13017	End	13505
GI	33851_1.R1084	Score	944
Exons	13017..13505		
GI Descrip.	'3236238 3.0e-45 (AC004684) putative ARF1 GTPase activating protein [Arabidopsis thaliana] >gi_4519792_dbj_BAA75744.1_ (AB017876) Asp1 [Arabidopsis thaliana]'		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97391	Strand	-
Start	15733	End	15926
Name	OJ000221_07.0323.C4.o7.ts	Method	TBLASTX:Soybean
Start	812	End	1017
GI	none	Score	211
Exons	812..1012, 826..978, 835..1017, 861..1016		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97391	Strand	-
Start	15733	End	15926
Name	OJ000221_07.0323.C4.o3.tw	Method	TBLASTX:Wheat
Start	826	End	1101
GI	none	Score	347
Exons	826..1101, 839..1093, 844..1101		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97391	Strand	-
Start	15733	End	15926
Name	OJ000221_07.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	833	End	2979
GI	none	Score	142
Exons	833..1060, 833..1315, 838..1314, 1314..1532, 1315..1938, 1315..1938, 1317..1940, 1319..1984, 1946..2224, 1998..2423, 2008..2424, 2509..2691, 2516..2977, 2516..2977, 2517..2978, 2517..2978, 2521..2979		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97391	Strand	-
Start	15733	End	15926
Name	OJ000221_07.0323.C4.o2.tc	Method	TBLASTX:Cress
Start	837	End	1458
GI	none	Score	306
Exons	837..1244, 847..1458, 847..1458		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97391	Strand	-
Start	15733	End	15926
Name	OJ000221_07.0323.C4.o1.ts	Method	TBLASTX:Soybean
Start	1019	End	2954
GI	none	Score	649
Exons	1019..1876, 1026..1871, 1026..1883, 1036..1878, 1990..2421, 1991..2224, 1998..2423, 2011..2424, 2492..2953, 2516..2953, 2517..2954		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97391	Strand	-
Start	15733	End	15926
Name	OJ000221_07.0323.C4.o1.tw	Method	TBLASTX:Wheat
Start	1342	End	1749
GI	none	Score	565
Exons	1342..1749, 1344..1748		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97391	Strand	-
Start	15733	End	15926
Name	OJ000221_07.0323.C4.o4.tc	Method	TBLASTX:Cress
Start	1459	End	1836
GI	none	Score	591
Exons	1459..1836, 1463..1657, 1464..1832, 1682..1834		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97391	Strand	-
Start	15733	End	15926
Name	OJ000221_07.0323.C4.o1.tc	Method	TBLASTX:Cress
Start	2004	End	2972
GI	none	Score	611
Exons	2004..2423, 2008..2424, 2023..2424, 2516..2965, 2517..2954, 2517..2972		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97391	Strand	-
Start	15733	End	15926
Name	OJ000221_07.0323.C4.o2.tw	Method	TBLASTX:Wheat
Start	2135	End	2582
GI	none	Score	109
Exons	2135..2224, 2136..2342, 2136..2423, 2137..2424, 2516..2581, 2517..2582, 2517..2582		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97391	Strand	-
Start	15733	End	15926
Name	OJ000221_07.0323.C4.o6.ts	Method	TBLASTX:Soybean
Start	6196	End	6470
GI	none	Score	121
Exons	6196..6300, 6197..6301, 6386..6460, 6387..6470		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97391	Strand	-
Start	15733	End	15926
Name	OJ000221_07.0323.C4.o4.tm	Method	TBLASTX:Maize
Start	6387	End	7463
GI	none	Score	81
Exons	6387..6461, 6387..6461, 6935..7012, 6937..7017, 6937..7014, 7045..7107, 7046..7096, 7229..7300, 7245..7301, 7386..7463, 7427..7453		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97391	Strand	-
Start	15733	End	15926
Name	OJ000221_07.0323.C4.o2.tm	Method	TBLASTX:Maize

Start	10447	End	13437
GI	none	Score	88
Exons	10447..10485, 10557..10682, 10635..10919, 10703..10918, 10913..11005, 10927..11013, 11010..11162, 11645..11740, 12628..12834, 12628..12930, 12989..13423	10557..10655, 10707..10940, 10990..11109, 12624..12713, 12632..12952,	10622..10762, 10878..11012, 11001..11162, 12626..12760, 12985..13437,

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97391	Strand	-
Start	15733	End	15926
Name	OJ000221_07.0323.C4.o5.ts	Method	TBLASTX:Soybean
Start	10677	End	11162
GI	none	Score	146
Exons	10677..10904, 10701..10859, 10966..11100, 10982..11125,	10719..10913, 11052..11162	10869..11162,

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97391	Strand	-
Start	15733	End	15926
Name	OJ000221_07.0323.C4.o3.tc	Method	TBLASTX:Cress
Start	10686	End	13426
GI	none	Score	121
Exons	10686..10805, 10788..11162, 11052..11171, 12628..12858, 12878..12922,	11014..11109, 12632..12754, 12931..12954,	11024..11122, 12847..12921, 13015..13407, 13016..13426

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97391	Strand	-
Start	15733	End	15926
Name	OJ000221_07.0323.C4.o4.ts	Method	TBLASTX:Soybean
Start	12661	End	12870
GI	none	Score	156
Exons	12661..12870, 12673..12834		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97391	Strand	-
Start	15733	End	15926
Name	OJ000221_07.0323.C4.o2.ts	Method	TBLASTX:Soybean
Start	13033	End	13426
GI	none	Score	338
Exons	13033..13425, 13037..13426		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97391	Strand	-
Start	15733	End	15926
Name	OJ000221_07.0323.C4.o7.gp	Method	AAT/GAP
Start	15733	End	15926
GI	uC-osf1M202083c05b1	Score	267
Exons	15733..15926		
GI Descrip.	'556559/dbj|D17788|RICHTNP1 4.0e-16 Rice mRNA for homologue of Tat binding protein, complete cds'		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97392	Strand	
Start	16014	End	18259

Name	OJ000221_07.0323.C4.o3.ts	Method	TBLASTX:Soybean
Start	16014	End	18256
GI	none	Score	132
Exons	16014..16172, 16017..16115, 17169..17288, 17365..17583, 17365..17571, 17370..17513, 17678..17905, 17720..17935, 17834..17938, 18170..18256		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97392	Strand	
Start	16014	End	18259
Name	OJ000221_07.0323.C4.o5.tc	Method	TBLASTX:Cress
Start	16014	End	17938
GI	none	Score	144
Exons	16014..16172, 16017..16115, 16022..16150, 17169..17288, 17169..17315, 17365..17583, 17365..17571, 17370..17570, 17678..17905, 17692..17904, 17717..17935, 17720..17935, 17722..17928, 17834..17938		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97392	Strand	
Start	16014	End	18259
Name	OJ000221_07.0323.C4.o3.tm	Method	TBLASTX:Maize
Start	16017	End	18259
GI	none	Score	82
Exons	16017..16118, 17364..17513, 17365..17571, 17365..17571, 17386..17583, 17388..17513, 17678..17935, 17710..17928, 17713..17925, 17717..17935, 17723..17935, 18022..18129, 18022..18111, 18194..18259, 18203..18259		

Seq. No.	45971	Seq. ID	OJ000221_07.0323.C4
Gene No.	97392	Strand	
Start	16014	End	18259
Name	OJ000221_07.0323.C4.o4.tw	Method	TBLASTX:Wheat
Start	16037	End	17920
GI	none	Score	110
Exons	16037..16150, 16041..16172, 17168..17248, 17169..17288, 17365..17475, 17473..17538, 17837..17920		

Seq. No.	45972	Seq. ID	OJ000221_07.0323.C5
Gene No.	97393	Strand	+
Start	1	End	3008
Name	OJ000221_07.0323.C5.o2.np	Method	AAT/NAP
Start	1	End	3008
GI	4680183	Score	129
Exons	1..83, 2226..2317, 2919..3008		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	45972	Seq. ID	OJ000221_07.0323.C5
Gene No.	97393	Strand	+
Start	1	End	3008
Name	OJ000221_07.0323.C5.o1.gs	Method	GENSCAN
Start	316	End	769
GI	none	Score	.81
Exons	316..459, 566..769		

Seq. No.	45972	Seq. ID	OJ000221_07.0323.C5
Gene No.	97393	Strand	+

Start	1	End	3008
Name	OJ000221_07.0323.C5.o1.np	Method	AAT/NAP
Start	382	End	721
GI	7439963	Score	125
Exons	382..453, 560..721		
GI Descrip.	polyadenylate-binding protein RB47 precursor, chloroplast - Chlamydomonas reinhardtii gi|2935338|gb|AAC39368.1| (AF043297) poly(A) binding protein RB47 [Chlamydomonas reinhardtii]		

Seq. No.	45972	Seq. ID	OJ000221_07.0323.C5
Gene No.	97394	Strand	-
Start	572	End	1021
Name	OJ000221_07.0323.C5.o1.gp	Method	AAT/GAP
Start	572	End	1021
GI	uC-osf1M202065b09a1	Score	868
Exons	572..1021		
GI Descrip.	'4836876/gb|AAD30579.1|AC007260_10 9.0e-12 (AC007260) Similar to dTDP-D-glucose 4,6-dehydratase [Arabidopsis thaliana]'		

Seq. No.	45972	Seq. ID	OJ000221_07.0323.C5
Gene No.	97395	Strand	-
Start	2167	End	2886
Name	OJ000221_07.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	276	End	745
GI	none	Score	233
Exons	276..458, 277..456, 297..464, 563..745, 565..744		

Seq. No.	45972	Seq. ID	OJ000221_07.0323.C5
Gene No.	97395	Strand	-
Start	2167	End	2886
Name	OJ000221_07.0323.C5.o2.gs	Method	GENSCAN
Start	2167	End	2886
GI	none	Score	.86
Exons	2167..2312, 2724..2886		

Seq. No.	45973	Seq. ID	OJ000221_07.0323.C6
Gene No.	97396	Strand	+
Start	1	End	562
Name	OJ000221_07.0323.C6.o1.np	Method	AAT/NAP
Start	1	End	562
GI	5295955	Score	321
Exons	1..562		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	45973	Seq. ID	OJ000221_07.0323.C6
Gene No.	97396	Strand	+
Start	1	End	562
Name	OJ000221_07.0323.C6.o1.gs	Method	GENSCAN
Start	341	End	420
GI	none	Score	.77
Exons	341..420		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97397	Strand	+
Start	219	End	3904
Name	OJ000221_07.0323.C12.o1.gs	Method	GENSCAN

Start	219	End	3904
GI	none	Score	.72
Exons	219..324, 2213..2264, 2398..2541, 2655..2944, 3263..3423, 3614..3904		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97398	Strand	+
Start	4954	End	5307
Name	OJ000221_07.0323.C12.o2.gs	Method	GENSCAN
Start	4954	End	5307
GI	none	Score	.84
Exons	4954..5111, 5217..5307		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97399	Strand	+
Start	7008	End	11673
Name	OJ000221_07.0323.C12.o3.gs	Method	GENSCAN
Start	7008	End	11548
GI	none	Score	.88
Exons	7008..7175, 7281..7404, 7672..7745, 7841..7885, 7986..8036, 8117..8185, 8777..8863, 9179..9301, 9820..9897, 10004..10149, 10261..10331, 11472..11548		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97399	Strand	+
Start	7008	End	11673
Name	OJ000221_07.0323.C12.o1.np	Method	AAT/NAP
Start	7326	End	11673
GI	4056500	Score	975
Exons	7326..7404, 7672..7745, 7841..7885, 7986..8036, 8117..8185, 8286..8344, 8436..8505, 8596..8676, 8777..8863, 9179..9301, 9560..9622, 9820..9897, 10004..10149, 10261..10371, 11505..11673		
GI Descrip.	(AC005896) putative glutamate/ornithine acetyltransferase [Arabidopsis thaliana]		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97399	Strand	+
Start	7008	End	11673
Name	OJ000221_07.0323.C12.o1.gp	Method	AAT/GAP
Start	8289	End	9298
GI	LIB3475-001-P1-K2-E4	Score	727
Exons	8289..8344, 8436..8505, 8596..8676, 8777..8863, 9179..9298		
GI Descrip.	'4056500 7.0e-43 (AC005896) putative acetyltransferase [Arabidopsis thaliana]'		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97399	Strand	+
Start	7008	End	11673
Name	OJ000221_07.0323.C12.o2.np	Method	AAT/NAP
Start	11442	End	11542
GI	5922634	Score	76
Exons	11442..11542		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12

Gene No.	97400	Strand	+
Start	14602	End	14886
Name	OJ000221_07.0323.C12.o4.np	Method	AAT/NAP
Start	14602	End	14886
GI	7523512	Score	203
Exons	14602..14886		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97401	Strand	+
Start	18105	End	18858
Name	OJ000221_07.0323.C12.o2.gp	Method	AAT/GAP
Start	18023	End	18858
GI	5333_1.R1084	Score	1391
Exons	18023..18329, 18431..18858		
GI Descrip.	'6009909/dbj|BAA85117.1| 2.0e-37 (AB018242) histone H2A-like protein [Solanum melongena]'		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97401	Strand	+
Start	18105	End	18858
Name	OJ000221_07.0323.C12.o6.gs	Method	GENSCAN
Start	18105	End	18685
GI	none	Score	1
Exons	18105..18329, 18431..18685		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97401	Strand	+
Start	18105	End	18858
Name	OJ000221_07.0323.C12.o6.np	Method	AAT/NAP
Start	18105	End	18682
GI	729671	Score	666
Exons	18105..18329, 18431..18682		
GI Descrip.	HISTONE H2A gi|473603 (U08225) histone H2A [Zea mays]		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97402	Strand	+
Start	24306	End	24514
Name	OJ000221_07.0323.C12.o5.gp	Method	AAT/GAP
Start	24306	End	24514
GI	uC-osrocyp025b04a1	Score	418
Exons	24306..24514		
GI Descrip.	'629864/pir||S48838 7.0e-33 histone H2B - garden asparagus >gi_563329_emb_CAA57778_ (X82362) histone 2B [Asparagus officinalis]'		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	7019	End	8872
GI	none	Score	104
Exons	7019..7051, 7112..7177, 7113..7178, 7121..7180, 7254..7397, 7273..7398, 7278..7406, 7668..7745, 7670..7744, 7701..7751, 7841..7882, 7843..7884, 7843..7884, 7936..8034, 7974..8057, 7985..8038, 8102..8170, 8114..8185, 8116..8187, 8116..8199, 8275..8352, 8284..8343, 8430..8501, 8431..8511, 8437..8508,		

8588..8677, 8590..8676, 8595..8678, 8596..8679, 8627..8677,
8771..8866, 8776..8835, 8789..8872

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o4.tw	Method	TBLASTX:Wheat
Start	7019	End	7406
GI	none	Score	105
Exons	7019..7057, 7113..7178, 7118..7177, 7254..7406, 7263..7400		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o4.tc	Method	TBLASTX:Cress
Start	7103	End	7745
GI	none	Score	63
Exons	7103..7174, 7119..7178, 7278..7406, 7668..7745, 7670..7744		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o2.tc	Method	TBLASTX:Cress
Start	8427	End	9306
GI	none	Score	64
Exons	8427..8486, 8433..8495, 8434..8508, 8584..8679, 8587..8676, 8771..8866, 9178..9228, 9265..9306		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o1.tw	Method	TBLASTX:Wheat
Start	8811	End	10842
GI	none	Score	66
Exons	8811..8858, 8813..8866, 8813..8875, 9178..9306, 9180..9299, 9181..9300, 9550..9627, 9560..9625, 9817..9903, 9820..9897, 9996..10148, 10001..10150, 10003..10152, 10007..10174, 10009..10152, 10246..10332, 10247..10336, 10259..10333, 10747..10842, 10748..10831, 10767..10835		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o5.tm	Method	TBLASTX:Maize
Start	9178	End	10094
GI	none	Score	150
Exons	9178..9354, 9181..9300, 9182..9304, 9560..9625, 9560..9625, 9561..9626, 9806..9886, 9817..9903, 9820..9897, 9991..10077, 10001..10093, 10003..10092, 10005..10094		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o1.tc	Method	TBLASTX:Cress
Start	9568	End	10830
GI	none	Score	100
Exons	9568..9627, 9569..9625, 9819..9896, 9820..9897, 10001..10150,		

10003..10152, 10019..10168, 10258..10332, 10259..10333, 10747..10830

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o3.ts	Method	TBLASTX:Soybean
Start	9853	End	10830
GI	none	Score	62
Exons	9853..9897, 9867..9893, 10001..10150, 10002..10151, 10003..10146, 10259..10327, 10264..10326, 10720..10830		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o4.gs	Method	GENSCAN
Start	13399	End	14843
GI	none	Score	.74
Exons	13399..13445, 13705..13876, 14278..14320, 14761..14843		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o3.np	Method	AAT/NAP
Start	13823	End	22564
GI	5042454	Score	182
Exons	13823..13883, 14284..14452, 22534..22564		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o5.np	Method	AAT/NAP
Start	15152	End	16434
GI	4585884	Score	531
Exons	15152..15607, 15693..16434		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o5.gs	Method	GENSCAN
Start	15165	End	16944
GI	none	Score	.91
Exons	15165..15607, 16347..16458, 16894..16944		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o2.tm	Method	TBLASTX:Maize
Start	15405	End	15937
GI	none	Score	93
Exons	15405..15617, 15409..15597, 15724..15936, 15734..15937		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251

Name	OJ000221_07.0323.C12.o2.ts	Method	TBLASTX:Soybean
Start	15459	End	15945
GI	none	Score	56
Exons	15459..15503, 15516..15608, 15520..15609, 15685..15945, 15725..15829, 15890..15943		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o3.tw	Method	TBLASTX:Wheat
Start	15691	End	16056
GI	none	Score	69
Exons	15691..15945, 15710..15835, 15899..15937, 15903..16055, 15973..16056, 15974..15997		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o3.tm	Method	TBLASTX:Maize
Start	16693	End	16959
GI	none	Score	149
Exons	16693..16959, 16694..16894, 16717..16959		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	18189	End	18595
GI	none	Score	172
Exons	18189..18290, 18422..18595, 18431..18595		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o4.tm	Method	TBLASTX:Maize
Start	18189	End	18595
GI	none	Score	165
Exons	18189..18290, 18431..18595, 18479..18595		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o2.tw	Method	TBLASTX:Wheat
Start	18189	End	18595
GI	none	Score	157
Exons	18189..18290, 18428..18595, 18429..18566, 18431..18595		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o3.tc	Method	TBLASTX:Cress
Start	18189	End	18595
GI	none	Score	146
Exons	18189..18290, 18431..18595		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-

Start	13399	End	24251
Name	OJ000221_07.0323.C12.o7.gs	Method	GENSCAN
Start	20588	End	24251
GI	none	Score	.8
Exons	20588..21445, 21919..21958, 23162..23252, 23439..23507, 24167..24251		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o3.gp	Method	AAT/GAP
Start	21712	End	22368
GI	none	Score	934
Exons	21712..22205, 22302..22368		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o4.gp	Method	AAT/GAP
Start	21712	End	22367
GI	none	Score	936
Exons	21712..22205, 22302..22367		

Seq. No.	45974	Seq. ID	OJ000221_07.0323.C12
Gene No.	97403	Strand	-
Start	13399	End	24251
Name	OJ000221_07.0323.C12.o7.np	Method	AAT/NAP
Start	23172	End	23545
GI	7506500	Score	76
Exons	23172..23322, 23439..23545		
GI Descrip.	hypothetical protein R09B3.2 - Caenorhabditis elegans gi|3879015|emb|CAB03236.1| (Z81108) similar to RNA recognition motif. (aka RRM, RBD, or RNP domain); cDNA EST EMBL:D73942 comes from this gene; cDNA EST yk257f10.5 comes from this gene; cDNA EST EMBL:D70930 comes from this gene; cDNA EST EMBL:D73476 comes from this gene; cDNA ES>		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97404	Strand	+
Start	799	End	1434
Name	OJ000221_07.0323.C13.o1.np	Method	AAT/NAP
Start	757	End	1431
GI	461595	Score	543
Exons	757..1431		
GI Descrip.	ATP SYNTHASE B' CHAIN PRECURSOR (SUBUNIT II) gi|479533|pir||S34473 H+-transporting ATP synthase (EC 3.6.1.34) chain 9 - spinach gi|394755|emb|CAA50520.1| (X71397) CF(o)II ATP synthase subunit 9 [Spinacia oleracea]		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97404	Strand	+
Start	799	End	1434
Name	OJ000221_07.0323.C13.o2.gs	Method	GENSCAN
Start	799	End	1434
GI	none	Score	.86
Exons	799..1434		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97405	Strand	+
Start	2377	End	3810
Name	OJ000221_07.0323.C13.o3.gp	Method	AAT/GAP
Start	2317	End	3696
GI	48724_1.R1084	Score	1517
Exons	2317..2593, 3066..3134, 3243..3696		
GI Descrip.	'4056507 8.0e-40 (AC005896) putative RNA binding protein [Arabidopsis thaliana]'		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97405	Strand	+
Start	2377	End	3810
Name	OJ000221_07.0323.C13.o3.gs	Method	GENSCAN
Start	2377	End	3810
GI	none	Score	.74
Exons	2377..2593, 3066..3134, 3243..3468, 3798..3810		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97405	Strand	+
Start	2377	End	3810
Name	OJ000221_07.0323.C13.o3.np	Method	AAT/NAP
Start	2377	End	3475
GI	6598438	Score	328
Exons	2377..2448, 2548..2593, 3066..3134, 3243..3475		
GI Descrip.	(AC004684) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97406	Strand	-
Start	1	End	371
Name	OJ000221_07.0323.C13.o1.gp	Method	AAT/GAP
Start	1	End	371
GI	705_6.R1084	Score	573
Exons	1..371		
GI Descrip.	'1362184/pir||S56685 2.0e-39 histone H2B-8 - wheat >gi_531058_dbj_BAA07157_ (D37943) protein H2B-8 [Triticum aestivum]'		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97406	Strand	-
Start	1	End	371
Name	OJ000221_07.0323.C13.o1.gs	Method	GENSCAN
Start	15	End	227
GI	none	Score	1
Exons	15..227		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97407	Strand	-
Start	641	End	1622
Name	OJ000221_07.0323.C13.o2.gp	Method	AAT/GAP
Start	641	End	1622
GI	1204_1.R1084	Score	1934
Exons	641..1622		
GI Descrip.	'461595/sp|P31853|ATPX_SPIOL 4.0e-35 ATP SYNTHASE B'' CHAIN PRECURSOR (SUBUNIT II) >gi_479533_pir__S34473 H+-transporting ATP synthase (EC 3.6.1.34) chain 9 - spinach >gi_394755_emb_CAA50520_ (X71397) CF(o)II ATP synthase subunit 9		

[Spinacia oleracea]'

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97408	Strand	-
Start	2316	End	3790
Name	OJ000221_07.0323.C13.o2.np	Method	AAT/NAP
Start	2316	End	3790
GI	112994	Score	83
Exons	2316..2528, 3769..3790		
GI Descrip.	GLYCINE-RICH RNA-BINDING, ABSCISIC ACID-INDUCIBLE PROTEIN gi|82685|pir||S04536 embryonic abundant protein, glycine-rich - maize gi|22313|emb|CAA31077.1| (X12564) ABA-inducible gene protein [Zea mays] gi|226091|prf||1410284A abscisic acid inducible gene [Zea mays]		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97409	Strand	-
Start	4511	End	4860
Name	OJ000221_07.0323.C13.o1.tw	Method	TBLASTX:Wheat
Start	801	End	1148
GI	none	Score	78
Exons	801..848, 994..1146, 1020..1148		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97409	Strand	-
Start	4511	End	4860
Name	OJ000221_07.0323.C13.o1.tc	Method	TBLASTX:Cress
Start	991	End	1428
GI	none	Score	365
Exons	991..1428, 1020..1157, 1042..1161, 1350..1427		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97409	Strand	-
Start	4511	End	4860
Name	OJ000221_07.0323.C13.o1.ts	Method	TBLASTX:Soybean
Start	991	End	1437
GI	none	Score	256
Exons	991..1182, 1020..1145, 1051..1164, 1243..1437, 1350..1430		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97409	Strand	-
Start	4511	End	4860
Name	OJ000221_07.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	991	End	1460
GI	none	Score	480
Exons	991..1434, 1020..1157, 1347..1436, 1413..1460		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97409	Strand	-
Start	4511	End	4860
Name	OJ000221_07.0323.C13.o2.tw	Method	TBLASTX:Wheat
Start	1264	End	1590
GI	none	Score	164
Exons	1264..1524, 1347..1433, 1519..1590, 1521..1589		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97409	Strand	-

Start	4511	End	4860
Name	OJ000221_07.0323.C13.o2.tm	Method	TBLASTX:Maize
Start	2458	End	3358
GI	none	Score	36
Exons	2458..2478, 2460..2483, 2511..2600, 2527..2607, 3031..3114, 3061..3132, 3062..3133, 3066..3140, 3235..3357, 3242..3358		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97409	Strand	-
Start	4511	End	4860
Name	OJ000221_07.0323.C13.o2.tc	Method	TBLASTX:Cress
Start	3062	End	3457
GI	none	Score	63
Exons	3062..3133, 3238..3399, 3242..3457		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97409	Strand	-
Start	4511	End	4860
Name	OJ000221_07.0323.C13.o2.ts	Method	TBLASTX:Soybean
Start	3062	End	3400
GI	none	Score	73
Exons	3062..3133, 3238..3393, 3245..3400		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97409	Strand	-
Start	4511	End	4860
Name	OJ000221_07.0323.C13.o3.tm	Method	TBLASTX:Maize
Start	4503	End	4860
GI	none	Score	96
Exons	4503..4586, 4505..4588, 4507..4575, 4511..4588, 4717..4860, 4721..4858		

Seq. No.	45975	Seq. ID	OJ000221_07.0323.C13
Gene No.	97409	Strand	-
Start	4511	End	4860
Name	OJ000221_07.0323.C13.o4.gs	Method	GENSCAN
Start	4511	End	4857
GI	none	Score	.69
Exons	4511..4585, 4717..4857		

Seq. No.	45976	Seq. ID	OJ000221_07.0323.C14
Gene No.	97410	Strand	-
Start	108	End	822
Name	OJ000221_07.0323.C14.o1.gs	Method	GENSCAN
Start	108	End	822
GI	none	Score	.92
Exons	108..167, 291..349, 472..681, 769..822		

Seq. No.	45977	Seq. ID	OJ000221_07.0323.C16
Gene No.	97411	Strand	-
Start	14	End	207
Name	OJ000221_07.0323.C16.o1.gs	Method	GENSCAN
Start	14	End	207
GI	none	Score	.55
Exons	14..207		

Seq. No.	45978	Seq. ID	OJ000221_07.0323.C17

Gene No.	97412	Strand	+
Start	8095	End	13819
Name	OJ000221_07.0323.C17.o4.gs	Method	GENSCAN
Start	8095	End	12288
GI	none	Score	.74
Exons	8095..8229, 8436..8516, 8651..8997, 9228..9828, 10089..10287, 10397..10460, 10792..11208, 11814..11926, 12269..12288		

Seq. No.	45978	Seq. ID	OJ000221_07.0323.C17
Gene No.	97412	Strand	+
Start	8095	End	13819
Name	OJ000221_07.0323.C17.o2.np	Method	AAT/NAP
Start	9718	End	11489
GI	7485433	Score	99
Exons	9718..9828, 9914..9988, 10089..10358, 10676..10906, 11317..11489		
GI Descrip.	hypothetical protein F13M22.2 - Arabidopsis thaliana gi|3236235|gb|AAC23623.1| (AC004684) unknown protein [Arabidopsis thaliana]		

Seq. No.	45978	Seq. ID	OJ000221_07.0323.C17
Gene No.	97412	Strand	+
Start	8095	End	13819
Name	OJ000221_07.0323.C17.o3.np	Method	AAT/NAP
Start	9764	End	13819
GI	6729519	Score	213
Exons	9764..9834, 9920..9988, 10089..10294, 10792..10896, 11077..11167, 11209..11281, 11322..11412, 11509..11565, 11668..11714, 11814..11884, 13791..13819		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		

Seq. No.	45978	Seq. ID	OJ000221_07.0323.C17
Gene No.	97413	Strand	-
Start	241	End	495
Name	OJ000221_07.0323.C17.o1.gs	Method	GENSCAN
Start	241	End	495
GI	none	Score	.93
Exons	241..495		

Seq. No.	45978	Seq. ID	OJ000221_07.0323.C17
Gene No.	97414	Strand	-
Start	4404	End	8913
Name	OJ000221_07.0323.C17.o1.np	Method	AAT/NAP
Start	2916	End	8913
GI	6815103	Score	339
Exons	2916..2959, 6061..6240, 6636..7024, 8767..8913		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	45978	Seq. ID	OJ000221_07.0323.C17
Gene No.	97414	Strand	-
Start	4404	End	8913
Name	OJ000221_07.0323.C17.o3.gs	Method	GENSCAN
Start	4404	End	6997
GI	none	Score	.96
Exons	4404..4489, 4639..4760, 6024..6098, 6864..6997		

Seq. No.	45978	Seq. ID	OJ000221_07.0323.C17
Gene No.	97415	Strand	-

Start	13610	End	13742
Name	OJ000221_07.0323.C17.o1.tm	Method	TBLASTX:Maize
Start	10811	End	11185
GI	none	Score	135
Exons	10811..10990, 10813..10989, 10815..10991, 10825..10992, 10973..11185, 10990..11184		

Seq. No.	45978	Seq. ID	OJ000221_07.0323.C17
Gene No.	97415	Strand	-
Start	13610	End	13742
Name	OJ000221_07.0323.C17.o5.gs	Method	GENSCAN
Start	13610	End	13742
GI	none	Score	.84
Exons	13610..13742		

Seq. No.	45979	Seq. ID	OJ000301_09.0327.C1
Gene No.	97416	Strand	+
Start	473	End	857
Name	OJ000301_09.0327.C1.o1.gp	Method	AAT/GAP
Start	473	End	857
GI	uC-osf1M202064b07a1	Score	754
Exons	473..857		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	45979	Seq. ID	OJ000301_09.0327.C1
Gene No.	97417	Strand	-
Start	484	End	4325
Name	OJ000301_09.0327.C1.o1.gs	Method	GENSCAN
Start	484	End	4325
GI	none	Score	.51
Exons	484..606, 1123..2137, 3483..3692, 4265..4325		

Seq. No.	45979	Seq. ID	OJ000301_09.0327.C1
Gene No.	97417	Strand	-
Start	484	End	4325
Name	OJ000301_09.0327.C1.o2.tm	Method	TBLASTX:Maize
Start	1014	End	1393
GI	none	Score	67
Exons	1014..1118, 1017..1121, 1018..1119, 1036..1155, 1087..1389, 1122..1388, 1202..1393		

Seq. No.	45979	Seq. ID	OJ000301_09.0327.C1
Gene No.	97417	Strand	-
Start	484	End	4325
Name	OJ000301_09.0327.C1.o1.np	Method	AAT/NAP
Start	1032	End	3710
GI	6554175	Score	639
Exons	1032..2137, 3483..3710		
GI Descrip.	(AC006072) unknown protein [Arabidopsis thaliana]		

Seq. No.	45979	Seq. ID	OJ000301_09.0327.C1
Gene No.	97417	Strand	-
Start	484	End	4325
Name	OJ000301_09.0327.C1.o1.tc	Method	TBLASTX:Cress
Start	1050	End	2045
GI	none	Score	118

Exons	1050..1334, 1054..1317, 1353..1445, 1473..1610, 1650..1754, 1827..2045		
Seq. No.	45979	Seq. ID	OJ000301_09.0327.C1
Gene No.	97417	Strand	-
Start	484	End	4325
Name	OJ000301_09.0327.C1.o1.ts	Method	TBLASTX:Soybean
Start	1050	End	1346
GI	none	Score	77
Exons	1050..1346, 1205..1318		
Seq. No.	45979	Seq. ID	OJ000301_09.0327.C1
Gene No.	97417	Strand	-
Start	484	End	4325
Name	OJ000301_09.0327.C1.o1.tm	Method	TBLASTX:Maize
Start	1488	End	3634
GI	none	Score	82
Exons	1488..1739, 1488..1832, 1570..1752, 1854..2057, 1855..2049, 2067..2126, 2068..2127, 3494..3634, 3499..3633		
Seq. No.	45979	Seq. ID	OJ000301_09.0327.C1
Gene No.	97417	Strand	-
Start	484	End	4325
Name	OJ000301_09.0327.C1.o2.ts	Method	TBLASTX:Soybean
Start	1653	End	2120
GI	none	Score	53
Exons	1653..1757, 1851..2030, 2064..2120		
Seq. No.	45980	Seq. ID	OJ000301_09.0327.C2
Gene No.	97418	Strand	-
Start	1	End	9735
Name	OJ000301_09.0327.C2.o1.np	Method	AAT/NAP
Start	1	End	5629
GI	6554175	Score	625
Exons	1..23, 795..1512, 1950..2064, 2173..2252, 2485..2915, 3051..3253, 4346..4837, 5481..5629		
GI Descrip.	(AC006072) unknown protein [Arabidopsis thaliana]		
Seq. No.	45980	Seq. ID	OJ000301_09.0327.C2
Gene No.	97418	Strand	-
Start	1	End	9735
Name	OJ000301_09.0327.C2.o2.np	Method	AAT/NAP
Start	1	End	9735
GI	6554175	Score	732
Exons	1..23, 795..1512, 1950..2064, 2173..2252, 2485..2915, 3051..3253, 4346..4827, 9256..9325, 9443..9735		
GI Descrip.	(AC006072) unknown protein [Arabidopsis thaliana]		
Seq. No.	45980	Seq. ID	OJ000301_09.0327.C2
Gene No.	97418	Strand	-
Start	1	End	9735
Name	OJ000301_09.0327.C2.o1.tm	Method	TBLASTX:Maize
Start	883	End	1435
GI	none	Score	99
Exons	883..1047, 884..1048, 1039..1257, 1041..1190, 1042..1197, 1228..1425, 1307..1435		

Seq. No.	45980	Seq. ID	OJ000301_09.0327.C2
Gene No.	97418	Strand	-
Start	1	End	9735
Name	OJ000301_09.0327.C2.o1.gs	Method	GENSCAN
Start	1079	End	3633
GI	none	Score	.72
Exons	1079..1117, 1630..1788, 1950..2064, 2173..2368, 2505..2787, 3196..3366, 3631..3633		

Seq. No.	45980	Seq. ID	OJ000301_09.0327.C2
Gene No.	97418	Strand	-
Start	1	End	9735
Name	OJ000301_09.0327.C2.o1.ts	Method	TBLASTX:Soybean
Start	1120	End	2067
GI	none	Score	78
Exons	1120..1203, 1267..1317, 1336..1434, 1462..1512, 1627..1725, 1947..2066, 1950..2066, 1954..2067		

Seq. No.	45980	Seq. ID	OJ000301_09.0327.C2
Gene No.	97418	Strand	-
Start	1	End	9735
Name	OJ000301_09.0327.C2.o2.tm	Method	TBLASTX:Maize
Start	2560	End	2955
GI	none	Score	80
Exons	2560..2640, 2678..2773, 2680..2772, 2839..2952, 2847..2954, 2863..2955		

Seq. No.	45981	Seq. ID	OJ000301_09.0327.C3
Gene No.	97419	Strand	+
Start	247	End	751
Name	OJ000301_09.0327.C3.o1.gs	Method	GENSCAN
Start	247	End	751
GI	none	Score	.49
Exons	247..466, 675..751		

Seq. No.	45981	Seq. ID	OJ000301_09.0327.C3
Gene No.	97420	Strand	-
Start	1404	End	5906
Name	OJ000301_09.0327.C3.o2.gs	Method	GENSCAN
Start	1404	End	5906
GI	none	Score	.59
Exons	1404..1625, 2564..2624, 3588..3850, 4009..4250, 4423..4590, 5381..5906		

Seq. No.	45981	Seq. ID	OJ000301_09.0327.C3
Gene No.	97420	Strand	-
Start	1404	End	5906
Name	OJ000301_09.0327.C3.o1.np	Method	AAT/NAP
Start	5379	End	5812
GI	6539553	Score	665
Exons	5379..5812		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	45981	Seq. ID	OJ000301_09.0327.C3

Gene No.	97420	Strand	-
Start	1404	End	5906
Name	OJ000301_09.0327.C3.o1.tw	Method	TBLASTX:Wheat
Start	5515	End	5811
GI	none	Score	261
Exons	5515..5811, 5516..5770, 5553..5810		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o1.np	Method	AAT/NAP
Start	1	End	4117
GI	6539553	Score	5552
Exons	1..45, 644..4117		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o1.gs	Method	GENSCAN
Start	605	End	6240
GI	none	Score	.58
Exons	605..929, 1127..1941, 3011..3154, 3340..3359, 3526..4026, 4075..4257, 4353..4551, 4671..4895, 5578..5654, 6222..6240		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o5.tw	Method	TBLASTX:Wheat
Start	644	End	811
GI	none	Score	101
Exons	644..739, 644..739, 645..749, 645..740, 755..811, 762..809		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o4.tm	Method	TBLASTX:Maize
Start	686	End	1024
GI	none	Score	168
Exons	686..1018, 687..914, 701..1024		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o3.tw	Method	TBLASTX:Wheat
Start	812	End	1563
GI	none	Score	90
Exons	812..883, 1129..1218, 1234..1563, 1258..1431		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o2.ts	Method	TBLASTX:Soybean
Start	836	End	1180

GI	none	Score	68
Exons	836..1135, 981..1124, 1138..1179, 1139..1180		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o3.tm	Method	TBLASTX:Maize
Start	1147	End	1572
GI	none	Score	56
Exons	1147..1572, 1217..1327, 1261..1443, 1397..1564		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o1.ts	Method	TBLASTX:Soybean
Start	1249	End	1713
GI	5509260	Score	58
Exons	1249..1713, 1268..1327, 1400..1495		
GI Descrip.	-		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o1.tc	Method	TBLASTX:Cress
Start	1360	End	1620
GI	none	Score	66
Exons	1360..1620, 1448..1618		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o1.tw	Method	TBLASTX:Wheat
Start	1633	End	2386
GI	none	Score	163
Exons	1633..1881, 1633..1872, 1650..1880, 1901..2167, 1939..2175, 2174..2266, 2175..2264, 2261..2386, 2262..2378		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o3.ts	Method	TBLASTX:Soybean
Start	2038	End	2434
GI	none	Score	73
Exons	2038..2178, 2175..2222, 2264..2419, 2264..2434, 2268..2426		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o5.tm	Method	TBLASTX:Maize
Start	2038	End	2601
GI	none	Score	73
Exons	2038..2178, 2264..2545, 2292..2447, 2491..2601		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o4.tw	Method	TBLASTX:Wheat

Start	2387	End	2724
GI	none	Score	60
Exons	2387..2530, 2414..2512, 2524..2724		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o1.tm	Method	TBLASTX:Maize
Start	2854	End	3176
GI	none	Score	384
Exons	2854..3156, 2855..3169, 2859..3149, 2922..3176		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o2.tm	Method	TBLASTX:Maize
Start	3675	End	3988
GI	none	Score	272
Exons	3675..3980, 3677..3988, 3680..3982		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o2.tw	Method	TBLASTX:Wheat
Start	3737	End	4123
GI	none	Score	217
Exons	3737..4123, 3738..4109		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o1.gp	Method	AAT/GAP
Start	5795	End	6258
GI	LIB3432-059-P1-K1-D8	Score	725
Exons	5795..6258		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	45982	Seq. ID	OJ000301_09.0327.C4
Gene No.	97421	Strand	-
Start	1	End	6458
Name	OJ000301_09.0327.C4.o2.gp	Method	AAT/GAP
Start	6144	End	6458
GI	LIB3432-059-P1-K1-D8	Score	340
Exons	6144..6170, 6261..6458		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97422	Strand	+
Start	4737	End	6878
Name	OJ000301_09.0327.C5.o1.np	Method	AAT/NAP
Start	4696	End	6878
GI	6721561	Score	1165
Exons	4696..4735, 5699..5919, 5990..6048, 6114..6878		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97422	Strand	+
Start	4737	End	6878
Name	OJ000301_09.0327.C5.o4.gs	Method	GENSCAN
Start	4737	End	6476
GI	none	Score	.84
Exons	4737..5370, 5536..5660, 5728..5919, 5990..6048, 6114..6297, 6357..6476		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97423	Strand	+
Start	14071	End	15672
Name	OJ000301_09.0327.C5.o3.np	Method	AAT/NAP
Start	14071	End	15672
GI	5852180	Score	554
Exons	14071..14141, 15121..15239, 15291..15672		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97424	Strand	-
Start	1	End	387
Name	OJ000301_09.0327.C5.o1.gp	Method	AAT/GAP
Start	1	End	387
GI	LIB3432-059-P1-K1-D8	Score	738
Exons	1..387		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97425	Strand	-
Start	3027	End	4483
Name	OJ000301_09.0327.C5.o3.gs	Method	GENSCAN
Start	3027	End	4483
GI	none	Score	.74
Exons	3027..3038, 3275..3404, 3610..3655, 4336..4483		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97426	Strand	-
Start	6501	End	15377
Name	OJ000301_09.0327.C5.o5.gs	Method	GENSCAN
Start	6501	End	15377
GI	none	Score	.42
Exons	6501..6943, 7079..7453, 7474..7699, 7704..7811, 8380..8707, 8753..8925, 8962..9201, 9301..9703, 9944..10401, 10465..11490, 11659..11970, 12100..12225, 12388..12667, 12749..12962, 12971..13199, 14203..14298, 15203..15249, 15284..15377		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97426	Strand	-
Start	6501	End	15377
Name	OJ000301_09.0327.C5.o2.np	Method	AAT/NAP
Start	8362	End	13225
GI	7228457	Score	3095

Exons	8362..9900, 9967..11627, 11682..13225		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97426	Strand	-
Start	6501	End	15377
Name	OJ000301_09.0327.C5.o3.tw	Method	TBLASTX:Wheat
Start	8371	End	8979
GI	none	Score	65
Exons	8371..8502, 8372..8497, 8527..8979, 8723..8830, 8876..8947		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97426	Strand	-
Start	6501	End	15377
Name	OJ000301_09.0327.C5.o4.tm	Method	TBLASTX:Maize
Start	8494	End	8757
GI	none	Score	201
Exons	8494..8757		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97426	Strand	-
Start	6501	End	15377
Name	OJ000301_09.0327.C5.o5.tw	Method	TBLASTX:Wheat
Start	9103	End	9486
GI	none	Score	91
Exons	9103..9486, 9104..9253, 9112..9360, 9290..9478		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97426	Strand	-
Start	6501	End	15377
Name	OJ000301_09.0327.C5.o3.tm	Method	TBLASTX:Maize
Start	9181	End	9486
GI	none	Score	150
Exons	9181..9486, 9182..9469		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97426	Strand	-
Start	6501	End	15377
Name	OJ000301_09.0327.C5.o8.tw	Method	TBLASTX:Wheat
Start	9628	End	9949
GI	none	Score	88
Exons	9628..9927, 9695..9949		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97426	Strand	-
Start	6501	End	15377
Name	OJ000301_09.0327.C5.o6.tw	Method	TBLASTX:Wheat
Start	9988	End	10396
GI	none	Score	40
Exons	9988..10053, 9988..10161, 10169..10396, 10171..10395		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97426	Strand	-
Start	6501	End	15377
Name	OJ000301_09.0327.C5.o1.ts	Method	TBLASTX:Soybean

Start	10486	End	10911
GI	none	Score	81
Exons	10486..10911, 10727..10852		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97426	Strand	-
Start	6501	End	15377
Name	OJ000301_09.0327.C5.o2.tw	Method	TBLASTX:Wheat
Start	10541	End	10965
GI	none	Score	252
Exons	10541..10855, 10543..10965, 10561..10962, 10809..10964		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97426	Strand	-
Start	6501	End	15377
Name	OJ000301_09.0327.C5.o2.tm	Method	TBLASTX:Maize
Start	10639	End	11022
GI	none	Score	109
Exons	10639..11022, 10640..10855, 10893..10973		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97426	Strand	-
Start	6501	End	15377
Name	OJ000301_09.0327.C5.o1.tm	Method	TBLASTX:Maize
Start	11050	End	11406
GI	none	Score	211
Exons	11050..11406, 11051..11344		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97426	Strand	-
Start	6501	End	15377
Name	OJ000301_09.0327.C5.o1.tw	Method	TBLASTX:Wheat
Start	11080	End	11536
GI	none	Score	366
Exons	11080..11535, 11081..11536		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97426	Strand	-
Start	6501	End	15377
Name	OJ000301_09.0327.C5.o4.tw	Method	TBLASTX:Wheat
Start	11728	End	12183
GI	none	Score	99
Exons	11728..11964, 11743..11952, 11846..11953, 12001..12183, 12074..12175		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97426	Strand	-
Start	6501	End	15377
Name	OJ000301_09.0327.C5.o7.tw	Method	TBLASTX:Wheat
Start	12814	End	13213
GI	none	Score	61
Exons	12814..12990, 12863..12994, 12989..13090, 13049..13162, 13101..13151, 13163..13213		

Seq. No.	45983	Seq. ID	OJ000301_09.0327.C5
Gene No.	97426	Strand	-
Start	6501	End	15377

Name	OJ000301_09.0327.C5.o3.gp	Method	AAT/GAP
Start	13990	End	14371
GI	uC-osf1cyp033a04b1	Score	679
Exons	13990..14371		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	45984	Seq. ID	OJ000301_09.0327.C6
Gene No.	97427	Strand	-
Start	1	End	2283
Name	OJ000301_09.0327.C6.o1.np	Method	AAT/NAP
Start	1	End	2283
GI	7523517	Score	327
Exons	1..162, 1790..1840, 1985..2283		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	45984	Seq. ID	OJ000301_09.0327.C6
Gene No.	97427	Strand	-
Start	1	End	2283
Name	OJ000301_09.0327.C6.o1.gs	Method	GENSCAN
Start	340	End	2229
GI	none	Score	.83
Exons	340..1840, 1985..2229		

Seq. No.	45985	Seq. ID	OJ000301_09.0327.C7
Gene No.	97428	Strand	-
Start	1439	End	1587
Name	OJ000301_09.0327.C7.o1.np	Method	AAT/NAP
Start	1439	End	1587
GI	5852084	Score	81
Exons	1439..1587		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	45985	Seq. ID	OJ000301_09.0327.C7
Gene No.	97429	Strand	-
Start	2456	End	2782
Name	OJ000301_09.0327.C7.o2.np	Method	AAT/NAP
Start	2456	End	2782
GI	6539588	Score	240
Exons	2456..2782		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	45986	Seq. ID	OJ000301_09.0327.C8
Gene No.	97430	Strand	+
Start	2281	End	5718
Name	OJ000301_09.0327.C8.o2.np	Method	AAT/NAP
Start	2281	End	5631
GI	7106516	Score	196
Exons	2281..2335, 3074..3241, 5312..5631		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	45986	Seq. ID	OJ000301_09.0327.C8
Gene No.	97430	Strand	+
Start	2281	End	5718
Name	OJ000301_09.0327.C8.o3.gs	Method	GENSCAN
Start	4960	End	5718
GI	none	Score	.47

Exons	4960..5718		

Seq. No.	45986	Seq. ID	OJ000301_09.0327.C8
Gene No.	97430	Strand	+
Start	2281	End	5718
Name	OJ000301_09.0327.C8.o3.np	Method	AAT/NAP
Start	5017	End	5715
GI	6822066	Score	192
Exons	5017..5715		
GI Descrip.	(AL132957) putative protein [Arabidopsis thaliana]		

Seq. No.	45986	Seq. ID	OJ000301_09.0327.C8
Gene No.	97431	Strand	-
Start	1	End	2178
Name	OJ000301_09.0327.C8.o1.np	Method	AAT/NAP
Start	1	End	2178
GI	6539553	Score	1666
Exons	1..28, 1032..2178		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	45986	Seq. ID	OJ000301_09.0327.C8
Gene No.	97432	Strand	-
Start	2409	End	4011
Name	OJ000301_09.0327.C8.o2.gs	Method	GENSCAN
Start	2409	End	4011
GI	none	Score	.63
Exons	2409..2551, 3192..3289, 3471..3674, 3867..3934, 4003..4011		

Seq. No.	45986	Seq. ID	OJ000301_09.0327.C8
Gene No.	97433	Strand	-
Start	6348	End	8256
Name	OJ000301_09.0327.C8.o3.tm	Method	TBLASTX:Maize
Start	1023	End	1241
GI	none	Score	221
Exons	1023..1208, 1037..1234, 1057..1233, 1059..1241		

Seq. No.	45986	Seq. ID	OJ000301_09.0327.C8
Gene No.	97433	Strand	-
Start	6348	End	8256
Name	OJ000301_09.0327.C8.o1.tm	Method	TBLASTX:Maize
Start	1736	End	2043
GI	none	Score	267
Exons	1736..2026, 1738..2043, 1741..2043		

Seq. No.	45986	Seq. ID	OJ000301_09.0327.C8
Gene No.	97433	Strand	-
Start	6348	End	8256
Name	OJ000301_09.0327.C8.o1.tw	Method	TBLASTX:Wheat
Start	1888	End	2247
GI	none	Score	118
Exons	1888..2025, 1892..2020, 1894..2022, 1982..2026, 2003..2182, 2045..2179, 2053..2181, 2191..2247, 2193..2231		

Seq. No.	45986	Seq. ID	OJ000301_09.0327.C8

Gene No.	97433	Strand	-
Start	6348	End	8256
Name	OJ000301_09.0327.C8.o2.tm	Method	TBLASTX:Maize
Start	6231	End	8255
GI	none	Score	138
Exons	6231..6287, 6333..6518, 6350..6511, 6351..6512, 7331..7432, 7358..7396, 7501..7650, 7508..7651, 8179..8253, 8184..8255		

Seq. No.	45986	Seq. ID	OJ000301_09.0327.C8
Gene No.	97433	Strand	-
Start	6348	End	8256
Name	OJ000301_09.0327.C8.o4.gs	Method	GENSCAN
Start	6348	End	8249
GI	none	Score	.89
Exons	6348..6511, 6757..6775, 7292..7328, 8194..8249		

Seq. No.	45986	Seq. ID	OJ000301_09.0327.C8
Gene No.	97433	Strand	-
Start	6348	End	8256
Name	OJ000301_09.0327.C8.o4.np	Method	AAT/NAP
Start	6351	End	8256
GI	7486733	Score	313
Exons	6351..6511, 7354..7423, 7507..7648, 8194..8256		
GI Descrip.	hypothetical protein F9D16.100 - Arabidopsis thaliana gi|4454032|emb|CAA23029.1| (AL035394) putative protein [Arabidopsis thaliana] gi|7269211|emb|CAB79318.1| (AL161559) putative protein [Arabidopsis thaliana]		

Seq. No.	45986	Seq. ID	OJ000301_09.0327.C8
Gene No.	97433	Strand	-
Start	6348	End	8256
Name	OJ000301_09.0327.C8.o2.tw	Method	TBLASTX:Wheat
Start	6450	End	8256
GI	none	Score	88
Exons	6450..6512, 6450..6518, 7331..7399, 7331..7432, 7357..7425, 7500..7640, 7501..7650, 7502..7651, 8184..8255, 8184..8252, 8185..8256		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97434	Strand	+
Start	9808	End	11817
Name	OJ000301_09.0327.C9.o2.np	Method	AAT/NAP
Start	9808	End	11817
GI	3283026	Score	652
Exons	9808..10266, 10334..11616, 11716..11817		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97435	Strand	+
Start	24512	End	29481
Name	OJ000301_09.0327.C9.o6.gs	Method	GENSCAN
Start	24512	End	29481
GI	none	Score	.43
Exons	24512..24583, 24765..24920, 25003..25116, 26519..26538, 27166..27195, 27445..27653, 27661..27786, 27959..28100, 28838..29035, 29129..29190, 29240..29481		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97436	Strand	+
Start	30869	End	31316
Name	OJ000301_09.0327.C9.o8.np	Method	AAT/NAP
Start	30869	End	31316
GI	2129478	Score	88
Exons	30869..31316		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi|488731|emb|CAA55883| (X79301) chitinase [Beta vulgaris] gi|829258|emb|CAA56946| (X81056) Chitinase [Beta vulgaris]		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97437	Strand	-
Start	340	End	2920
Name	OJ000301_09.0327.C9.o1.gp	Method	AAT/GAP
Start	340	End	860
GI	45800_1.R1084	Score	533
Exons	340..548, 758..860		
GI Descrip.	'5596468/emb|CAB51406.1| 1.0e-12 (AL096882) putative protein [Arabidopsis thaliana]'		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97437	Strand	-
Start	340	End	2920
Name	OJ000301_09.0327.C9.o1.gs	Method	GENSCAN
Start	340	End	2920
GI	none	Score	.7
Exons	340..548, 920..941, 1373..1480, 2335..2920		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97437	Strand	-
Start	340	End	2920
Name	OJ000301_09.0327.C9.o1.np	Method	AAT/NAP
Start	2323	End	2906
GI	1168782	Score	251
Exons	2323..2906		
GI Descrip.	CALCIUM-BINDING PROTEIN CAST gi|7446013|pir||T07365 probable calcium-binding protein - potato (fragment) gi|169481|gb|AAA33811.1| (L02830) calcium-binding protein [Solanum tuberosum]		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97438	Strand	-
Start	12376	End	16629
Name	OJ000301_09.0327.C9.o4.np	Method	AAT/NAP
Start	12376	End	16629
GI	6815052	Score	1624
Exons	12376..12498, 12780..12853, 12935..13628, 13677..13820, 14597..14689, 15522..15621, 15918..16038, 16320..16390, 16472..16629		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97439	Strand	-
Start	17607	End	19144
Name	OJ000301_09.0327.C9.o5.np	Method	AAT/NAP
Start	17607	End	19144

GI	5852093	Score	61
Exons	17607..17768, 19084..19144		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97440	Strand	-
Start	28359	End	28981
Name	OJ000301_09.0327.C9.o6.np	Method	AAT/NAP
Start	28359	End	28981
GI	6721559	Score	343
Exons	28359..28424, 28452..28981		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97441	Strand	-
Start	31028	End	34906
Name	OJ000301_09.0327.C9.o1.tm	Method	TBLASTX:Maize
Start	2342	End	2518
GI	none	Score	118
Exons	2342..2518, 2342..2518		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97441	Strand	-
Start	31028	End	34906
Name	OJ000301_09.0327.C9.o1.ts	Method	TBLASTX:Soybean
Start	10375	End	10648
GI	none	Score	226
Exons	10375..10608, 10385..10648		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97441	Strand	-
Start	31028	End	34906
Name	OJ000301_09.0327.C9.o1.tc	Method	TBLASTX:Cress
Start	10382	End	11814
GI	none	Score	517
Exons	10382..11314, 11326..11499, 11716..11814		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97441	Strand	-
Start	31028	End	34906
Name	OJ000301_09.0327.C9.o2.tw	Method	TBLASTX:Wheat
Start	13890	End	14371
GI	none	Score	61
Exons	13890..14117, 13900..14109, 14192..14350, 14192..14371		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97441	Strand	-
Start	31028	End	34906
Name	OJ000301_09.0327.C9.o1.tw	Method	TBLASTX:Wheat
Start	22620	End	22929
GI	none	Score	214
Exons	22620..22925, 22621..22929		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97441	Strand	-

Start	31028	End	34906
Name	OJ000301_09.0327.C9.o2.tm	Method	TBLASTX:Maize
Start	22818	End	23107
GI	none	Score	130
Exons	22818..22928, 22819..22971, 22952..23107, 22954..23106		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97441	Strand	-
Start	31028	End	34906
Name	OJ000301_09.0327.C9.o7.np	Method	AAT/NAP
Start	30074	End	34906
GI	4680183	Score	173
Exons	30074..30163, 30773..30843, 34882..34906		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97441	Strand	-
Start	31028	End	34906
Name	OJ000301_09.0327.C9.o7.gs	Method	GENSCAN
Start	31028	End	34009
GI	none	Score	.47
Exons	31028..31305, 33964..34009		

Seq. No.	45987	Seq. ID	OJ000301_09.0327.C9
Gene No.	97441	Strand	-
Start	31028	End	34906
Name	OJ000301_09.0327.C9.o9.np	Method	AAT/NAP
Start	34727	End	34906
GI	6907106	Score	164
Exons	34727..34906		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97442	Strand	+
Start	92	End	6511
Name	OJ000301_09.0327.C10.o1.gs	Method	GENSCAN
Start	92	End	6511
GI	none	Score	.59
Exons	92..471, 1226..1299, 1880..1965, 2772..2978, 3274..3693, 3780..4069, 4361..4506, 4584..4662, 4817..5034, 5106..5210, 5284..5427, 5630..5816, 5860..6033, 6223..6347, 6453..6511		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97443	Strand	+
Start	11805	End	18944
Name	OJ000301_09.0327.C10.o4.gs	Method	GENSCAN
Start	11805	End	18884
GI	none	Score	.56
Exons	11805..11873, 12140..12272, 14021..14196, 14203..14372, 16868..16903, 17887..18145, 18741..18884		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97443	Strand	+
Start	11805	End	18944
Name	OJ000301_09.0327.C10.o2.np	Method	AAT/NAP
Start	14018	End	18944

GI	7416819	Score	383
Exons	14018..14090, 14132..14372, 15399..15507, 17697..17788, 17887..18145, 18741..18944		
GI Descrip.	(AB034704) similar to Qor (quinone oxidoreductase) [Rubrivivax gelatinosus]		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97443	Strand	+
Start	11805	End	18944
Name	OJ000301_09.0327.C10.o1.gp	Method	AAT/GAP
Start	14060	End	17788
GI	uC-osrocyp015d08b1	Score	1008
Exons	14060..14372, 15399..15507, 17697..17788		
GI Descrip.	'416966/sp|Q03132|ERY2_SACER 4.0e-15 ERYTHRONOLIDE SYNTHASE, MODULES 3 AND 4 (ORF 2) (6-DEOXYERYTHRONOLIDE B SYNTHASE II) (DEBS 2) >gi_152694 (M63677) eryA ORF2 encoding modules 3 & 4 for 6-deoxyerythronolide B formation6-deoxyerythronolide B formation; putative [Saccharopolyspora erythraea]'		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97443	Strand	+
Start	11805	End	18944
Name	OJ000301_09.0327.C10.o2.gp	Method	AAT/GAP
Start	18033	End	18884
GI	15854_1.R1084	Score	449
Exons	18033..18145, 18741..18884		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o10.tw	Method	TBLASTX:Wheat
Start	2931	End	3185
GI	none	Score	204
Exons	2931..3185		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o1.np	Method	AAT/NAP
Start	4624	End	11262
GI	5922631	Score	6284
Exons	4624..4787, 5341..7704, 8311..9236, 9363..9513, 9556..10131, 10177..10376, 10635..10879, 11138..11262		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o7.tw	Method	TBLASTX:Wheat

Start	5353	End	5766
GI	none	Score	84
Exons	5353..5766, 5504..5611, 5660..5746		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o4.tw	Method	TBLASTX:Wheat
Start	5880	End	6268
GI	none	Score	46
Exons	5880..5927, 5882..6268, 5900..6067, 5958..6245		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o2.tm	Method	TBLASTX:Maize
Start	5912	End	6274
GI	none	Score	63
Exons	5912..5959, 5913..5960, 5951..6274, 5964..6251		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o8.tw	Method	TBLASTX:Wheat
Start	6437	End	6727
GI	none	Score	136
Exons	6437..6727, 6456..6719		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o3.ts	Method	TBLASTX:Soybean
Start	6630	End	7018
GI	none	Score	75
Exons	6630..6749, 6632..6874, 6798..6869, 6914..7018, 6924..7010		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o6.tm	Method	TBLASTX:Maize
Start	6683	End	6955
GI	none	Score	129
Exons	6683..6781, 6785..6955		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o3.tw	Method	TBLASTX:Wheat
Start	6728	End	7136
GI	none	Score	110
Exons	6728..6874, 6729..6869, 6905..7135, 6918..7136		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o2.gs	Method	GENSCAN
Start	7208	End	8239

GI	none	Score	.71
Exons	7208..8239		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o2.ts	Method	TBLASTX:Soybean
Start	7277	End	7675
GI	none	Score	41
Exons	7277..7675, 7278..7448, 7484..7606, 7503..7628		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o2.tw	Method	TBLASTX:Wheat
Start	7299	End	7723
GI	none	Score	274
Exons	7299..7679, 7299..7676, 7304..7723		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o4.tm	Method	TBLASTX:Maize
Start	7397	End	7780
GI	none	Score	145
Exons	7397..7780, 7398..7676		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o3.tm	Method	TBLASTX:Maize
Start	7808	End	8164
GI	none	Score	191
Exons	7808..8164, 7818..8123		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o1.tw	Method	TBLASTX:Wheat
Start	7838	End	8294
GI	none	Score	271
Exons	7838..8293, 7839..8294		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o4.ts	Method	TBLASTX:Soybean
Start	7889	End	8254
GI	none	Score	138
Exons	7889..8020, 8030..8254		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o3.gs	Method	GENSCAN
Start	8359	End	11262
GI	none	Score	.65

Exons	8359..9242, 9363..10578, 10615..11262		
Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o7.tm	Method	TBLASTX:Maize
Start	8485	End	8662
GI	none	Score	118
Exons	8485..8661, 8516..8662		
Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o5.tw	Method	TBLASTX:Wheat
Start	8513	End	8970
GI	none	Score	155
Exons	8513..8749, 8515..8745, 8794..8970		
Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97444	Strand	-
Start	4624	End	11262
Name	OJ000301_09.0327.C10.o9.tw	Method	TBLASTX:Wheat
Start	9550	End	9952
GI	none	Score	98
Exons	9550..9951, 9683..9952		
Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97445	Strand	
Start	13981	End	18890
Name	OJ000301_09.0327.C10.o1.tc	Method	TBLASTX:Cress
Start	13981	End	18890
GI	none	Score	379
Exons	13981..14373, 14115..14360, 15399..15509, 15400..15510, 17693..17788, 17747..17788, 17884..18144, 17885..18145, 18732..18890, 18740..18874		
Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97445	Strand	
Start	13981	End	18890
Name	OJ000301_09.0327.C10.o1.ts	Method	TBLASTX:Soybean
Start	14020	End	14373
GI	none	Score	58
Exons	14020..14070, 14110..14373, 14115..14363		
Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97445	Strand	
Start	13981	End	18890
Name	OJ000301_09.0327.C10.o1.tm	Method	TBLASTX:Maize
Start	14022	End	18120
GI	none	Score	487
Exons	14022..14375, 14026..14373, 15399..15509, 15400..15510, 15400..15510, 17667..17810, 17696..17788, 17884..18120, 17885..18118		
Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97445	Strand	
Start	13981	End	18890

Name	OJ000301_09.0327.C10.o6.tw	Method	TBLASTX:Wheat
Start	14023	End	14316
GI	none	Score	340
Exons	14023..14259, 14023..14082, 14025..14258, 14173..14259, 14220..14315, 14221..14316		

Seq. No.	45988	Seq. ID	OJ000301_09.0327.C10
Gene No.	97445	Strand	
Start	13981	End	18890
Name	OJ000301_09.0327.C10.o5.tm	Method	TBLASTX:Maize
Start	18728	End	18887
GI	none	Score	154
Exons	18728..18886, 18732..18887, 18732..18884, 18740..18886		

Seq. No.	45989	Seq. ID	OJ000251_03.0322.C3
Gene No.	97446	Strand	+
Start	102	End	133
Name	OJ000251_03.0322.C3.o1.gs	Method	GENSCAN
Start	102	End	133
GI	none	Score	.76
Exons	102..133		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97447	Strand	+
Start	1	End	276
Name	OJ000251_03.0322.C8.o1.np	Method	AAT/NAP
Start	1	End	276
GI	6721559	Score	209
Exons	1..111, 146..276		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o2.np	Method	AAT/NAP
Start	548	End	17016
GI	4680179	Score	6417
Exons	548..4234, 13846..14187, 16930..17016		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o9.tm	Method	TBLASTX:Maize
Start	572	End	769
GI	none	Score	187
Exons	572..769		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o6.tw	Method	TBLASTX:Wheat
Start	593	End	928
GI	none	Score	46
Exons	593..784, 770..928, 792..836, 821..901		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o1.tm	Method	TBLASTX:Maize
Start	776	End	1375
GI	none	Score	160
Exons	776..1216, 777..1217, 792..1049, 1119..1217, 1214..1375, 1221..1373		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o1.tw	Method	TBLASTX:Wheat
Start	929	End	12743
GI	none	Score	364
Exons	929..1555, 930..1553, 12324..12743		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o4.tm	Method	TBLASTX:Maize
Start	1424	End	1715
GI	none	Score	254
Exons	1424..1714, 1428..1715		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o3.ts	Method	TBLASTX:Soybean
Start	1514	End	1774
GI	none	Score	172
Exons	1514..1774, 1515..1769		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o1.tc	Method	TBLASTX:Cress
Start	1538	End	1855
GI	none	Score	91
Exons	1538..1681, 1539..1679, 1682..1855		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o4.tw	Method	TBLASTX:Wheat
Start	1562	End	2041
GI	none	Score	257
Exons	1562..2041, 1563..1817, 1595..2008		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o2.tw	Method	TBLASTX:Wheat
Start	2045	End	11027
GI	none	Score	233
Exons	2045..2554, 2144..2476, 2190..2522, 10899..11027		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o3.tm	Method	TBLASTX:Maize
Start	2124	End	11024
GI	none	Score	233
Exons	2124..2480, 2129..2482, 2166..2480, 10791..11024		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o6.ts	Method	TBLASTX:Soybean
Start	2303	End	2548
GI	none	Score	193
Exons	2303..2548		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o5.tw	Method	TBLASTX:Wheat
Start	2555	End	10578
GI	none	Score	195
Exons	2555..2815, 2556..2837, 10342..10578		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o2.tm	Method	TBLASTX:Maize
Start	2561	End	10641
GI	none	Score	63
Exons	2561..2800, 2688..2801, 2882..3013, 10183..10641, 10185..10247, 10332..10640		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o1.ts	Method	TBLASTX:Soybean
Start	2570	End	10611
GI	none	Score	43
Exons	2570..2815, 2571..2621, 2682..2825, 2876..2929, 2933..2965, 10285..10611		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o3.tw	Method	TBLASTX:Wheat
Start	2897	End	10316
GI	none	Score	575
Exons	2897..3019, 3032..3211, 9907..10314, 9915..10316, 9927..10247		

Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o5.tm	Method	TBLASTX:Maize
Start	3032	End	10182
GI	none	Score	291

Exons	3032..3211, 9967..10182, 9969..10181, 10036..10182		
Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o4.ts	Method	TBLASTX:Soybean
Start	3077	End	10113
GI	none	Score	142
Exons	3077..3211, 9745..9963, 9982..10113		
Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o7.tw	Method	TBLASTX:Wheat
Start	3551	End	3967
GI	none	Score	94
Exons	3551..3736, 3552..3707, 3758..3967, 3819..3917		
Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o6.tm	Method	TBLASTX:Maize
Start	7397	End	7765
GI	none	Score	153
Exons	7397..7522, 7414..7521, 7547..7765, 7552..7668		
Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o2.ts	Method	TBLASTX:Soybean
Start	10949	End	11369
GI	none	Score	175
Exons	10949..11083, 10950..11087, 10950..11087, 11123..11209, 11124..11369, 11249..11368		
Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o7.tm	Method	TBLASTX:Maize
Start	11893	End	12246
GI	none	Score	206
Exons	11893..12246		
Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o5.ts	Method	TBLASTX:Soybean
Start	12013	End	12294
GI	none	Score	196
Exons	12013..12294		
Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o7.ts	Method	TBLASTX:Soybean
Start	12873	End	13079
GI	none	Score	189

Exons	12873..13079, 12878..12964, 13040..13075		
Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o8.tm	Method	TBLASTX:Maize
Start	13921	End	14187
GI	none	Score	86
Exons	13921..14187, 14030..14176		
Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o8.tw	Method	TBLASTX:Wheat
Start	13921	End	14184
GI	none	Score	139
Exons	13921..14184, 14009..14182, 14014..14184		
Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o3.gs	Method	GENSCAN
Start	13978	End	18576
GI	none	Score	.55
Exons	13978..14099, 14949..15623, 16334..17181, 18051..18090, 18471..18576		
Seq. No.	45990	Seq. ID	OJ000251_03.0322.C8
Gene No.	97448	Strand	-
Start	548	End	18576
Name	OJ000251_03.0322.C8.o3.np	Method	AAT/NAP
Start	16234	End	17102
GI	5042448	Score	1313
Exons	16234..17102		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97449	Strand	+
Start	534	End	1306
Name	OJ000251_03.0322.C9.o1.np	Method	AAT/NAP
Start	534	End	1306
GI	4680183	Score	206
Exons	534..609, 1217..1306		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97450	Strand	+
Start	6644	End	12707
Name	OJ000251_03.0322.C9.o2.gs	Method	GENSCAN
Start	6644	End	12544
GI	none	Score	.45
Exons	6644..7292, 7497..7634, 7639..7734, 7848..9113, 9267..9503, 9621..10418, 11192..11810, 11931..12266, 12362..12544		
Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97450	Strand	+

Start	6644	End	12707
Name	OJ000251_03.0322.C9.o2.np	Method	AAT/NAP
Start	6644	End	12707
GI	5922631	Score	6534
Exons	6644..6768, 7027..7253, 7512..7706, 7752..8329, 8372..8522, 8649..9575, 10182..12707		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97451	Strand	-
Start	1942	End	3503
Name	OJ000251_03.0322.C9.o1.gs	Method	GENSCAN
Start	1942	End	3503
GI	none	Score	.76
Exons	1942..2132, 2137..2315, 2382..2447, 2538..2712, 2952..3006, 3432..3503		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97452	Strand	-
Start	6186	End	9592
Name	OJ000251_03.0322.C9.o6.tw	Method	TBLASTX:Wheat
Start	1155	End	9592
GI	none	Score	62
Exons	1155..1250, 8915..9091, 9136..9339, 9140..9370, 9419..9592		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97452	Strand	-
Start	6186	End	9592
Name	OJ000251_03.0322.C9.o1.gp	Method	AAT/GAP
Start	6186	End	6943
GI	5816562	Score	616
Exons	6186..6597, 6918..6943		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97452	Strand	-
Start	6186	End	9592
Name	OJ000251_03.0322.C9.o7.tw	Method	TBLASTX:Wheat
Start	7933	End	8335
GI	none	Score	288
Exons	7933..8202, 7934..8335		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97453	Strand	
Start	9592	End	10078
Name	OJ000251_03.0322.C9.o1.tw	Method	TBLASTX:Wheat
Start	9592	End	10048
GI	none	Score	481
Exons	9592..10047, 9593..10048		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97453	Strand	
Start	9592	End	10078
Name	OJ000251_03.0322.C9.o3.ts	Method	TBLASTX:Soybean
Start	9632	End	9997
GI	none	Score	133
Exons	9632..9856, 9866..9997		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97453	Strand	
Start	9592	End	10078
Name	OJ000251_03.0322.C9.o2.tm	Method	TBLASTX:Maize
Start	9722	End	10078
GI	none	Score	360
Exons	9722..10078, 9763..10068		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97454	Strand	
Start	10106	End	10642
Name	OJ000251_03.0322.C9.o3.tm	Method	TBLASTX:Maize
Start	10106	End	10489
GI	none	Score	323
Exons	10106..10489, 10258..10488		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97454	Strand	
Start	10106	End	10642
Name	OJ000251_03.0322.C9.o2.tw	Method	TBLASTX:Wheat
Start	10163	End	10584
GI	none	Score	431
Exons	10163..10582, 10210..10584, 10261..10581		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97454	Strand	
Start	10106	End	10642
Name	OJ000251_03.0322.C9.o1.ts	Method	TBLASTX:Soybean
Start	10241	End	10642
GI	none	Score	312
Exons	10241..10642, 10258..10401, 10274..10555, 10438..10614		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97455	Strand	
Start	10592	End	10876
Name	OJ000251_03.0322.C9.o8.tw	Method	TBLASTX:Wheat
Start	10592	End	10876
GI	none	Score	261
Exons	10592..10873, 10601..10699, 10784..10876		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97456	Strand	
Start	10868	End	11298
Name	OJ000251_03.0322.C9.o2.ts	Method	TBLASTX:Soybean
Start	10868	End	11255
GI	none	Score	87
Exons	10868..10972, 10876..10962, 11008..11082, 11012..11083, 11017..11085, 11115..11255, 11131..11253		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97456	Strand	
Start	10868	End	11298
Name	OJ000251_03.0322.C9.o4.tw	Method	TBLASTX:Wheat
Start	10877	End	11298
GI	none	Score	205
Exons	10877..11083, 10882..11082, 11082..11222, 11083..11298		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97456	Strand	
Start	10868	End	11298
Name	OJ000251_03.0322.C9.o5.tm	Method	TBLASTX:Maize
Start	10930	End	11202
GI	none	Score	113
Exons	10930..11178, 10931..11083, 11104..11202		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97457	Strand	
Start	11314	End	11655
Name	OJ000251_03.0322.C9.o9.tw	Method	TBLASTX:Wheat
Start	11314	End	11655
GI	none	Score	131
Exons	11314..11448, 11502..11588, 11515..11655		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97458	Strand	
Start	11611	End	12131
Name	OJ000251_03.0322.C9.o1.tm	Method	TBLASTX:Maize
Start	11611	End	11916
GI	none	Score	397
Exons	11611..11916, 11634..11915, 11647..11916		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97458	Strand	
Start	11611	End	12131
Name	OJ000251_03.0322.C9.o3.tw	Method	TBLASTX:Wheat
Start	11749	End	12131
GI	none	Score	373
Exons	11749..12129, 11749..12003, 11754..12131		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97459	Strand	
Start	12133	End	12731
Name	OJ000251_03.0322.C9.o5.tw	Method	TBLASTX:Wheat
Start	12133	End	12731
GI	none	Score	224
Exons	12133..12375, 12138..12224, 12279..12374, 12444..12608, 12600..12731		

Seq. No.	45991	Seq. ID	OJ000251_03.0322.C9
Gene No.	97459	Strand	
Start	12133	End	12731
Name	OJ000251_03.0322.C9.o4.tm	Method	TBLASTX:Maize
Start	12438	End	12692
GI	none	Score	154
Exons	12438..12611, 12458..12610, 12590..12691, 12591..12692		

Seq. No.	45992	Seq. ID	OJ000251_03.0322.C10
Gene No.	97460	Strand	-
Start	34	End	3573
Name	OJ000251_03.0322.C10.o1.np	Method	AAT/NAP
Start	34	End	1826
GI	6691716	Score	1100
Exons	34..472, 546..659, 809..911, 986..1173, 1251..1430, 1509..1609, 1686..1826		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	45992	Seq. ID	OJ000251_03.0322.C10
Gene No.	97460	Strand	-
Start	34	End	3573
Name	OJ000251_03.0322.C10.o1.gs	Method	GENSCAN
Start	62	End	3573
GI	none	Score	.72
Exons	62..472, 722..911, 986..1182, 1251..1609, 1872..1942, 3379..3573		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97461	Strand	+
Start	2725	End	14022
Name	OJ000251_03.0322.C13.o1.gs	Method	GENSCAN
Start	2725	End	10474
GI	none	Score	.7
Exons	2725..2772, 3495..3582, 3587..3742, 4172..4266, 4575..4608, 5479..5658, 5767..5834, 6029..6182, 7389..7772, 7817..8088, 8545..8632, 8906..9613, 9834..10474		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97461	Strand	+
Start	2725	End	14022
Name	OJ000251_03.0322.C13.o1.np	Method	AAT/NAP
Start	6376	End	7935
GI	7248393	Score	725
Exons	6376..6450, 7385..7935		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97461	Strand	+
Start	2725	End	14022
Name	OJ000251_03.0322.C13.o2.np	Method	AAT/NAP
Start	10037	End	13724
GI	7248394	Score	1793
Exons	10037..10959, 11227..12300, 13692..13724		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97461	Strand	+
Start	2725	End	14022
Name	OJ000251_03.0322.C13.o2.gs	Method	GENSCAN
Start	10689	End	13719

GI	none	Score	.5
Exons	10689..11733, 11762..11901, 12079..13719		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97461	Strand	+
Start	2725	End	14022
Name	OJ000251_03.0322.C13.o3.np	Method	AAT/NAP
Start	11559	End	13971
GI	4680180	Score	902
Exons	11559..13971		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97461	Strand	+
Start	2725	End	14022
Name	OJ000251_03.0322.C13.o5.np	Method	AAT/NAP
Start	12863	End	14022
GI	629693	Score	538
Exons	12863..14022		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97462	Strand	-
Start	13987	End	14471
Name	OJ000251_03.0322.C13.o5.ts	Method	TBLASTX:Soybean
Start	10929	End	11294
GI	none	Score	120
Exons	10929..11147, 11160..11294		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97462	Strand	-
Start	13987	End	14471
Name	OJ000251_03.0322.C13.o1.tw	Method	TBLASTX:Wheat
Start	11091	End	11495
GI	none	Score	87
Exons	11091..11147, 11096..11137, 11142..11495, 11149..11256, 11153..11452, 11160..11489		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97462	Strand	-
Start	13987	End	14471
Name	OJ000251_03.0322.C13.o2.tm	Method	TBLASTX:Maize
Start	11145	End	11363
GI	none	Score	274
Exons	11145..11363, 11145..11345, 11153..11362		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97462	Strand	-
Start	13987	End	14471
Name	OJ000251_03.0322.C13.o1.tm	Method	TBLASTX:Maize
Start	11364	End	11823
GI	none	Score	425
Exons	11364..11723, 11364..11720, 11722..11823, 11739..11822		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97462	Strand	-

Start	13987	End	14471
Name	OJ000251_03.0322.C13.o4.tw	Method	TBLASTX:Wheat
Start	11496	End	11895
GI	none	Score	145
Exons	11496..11723, 11794..11895		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97462	Strand	-
Start	13987	End	14471
Name	OJ000251_03.0322.C13.o2.ts	Method	TBLASTX:Soybean
Start	11511	End	11982
GI	none	Score	145
Exons	11511..11723, 11549..11617, 11722..11793, 11794..11982, 11838..11969		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97462	Strand	-
Start	13987	End	14471
Name	OJ000251_03.0322.C13.o1.ts	Method	TBLASTX:Soybean
Start	12133	End	12545
GI	none	Score	144
Exons	12133..12270, 12133..12270, 12285..12368, 12286..12543, 12303..12545		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97462	Strand	-
Start	13987	End	14471
Name	OJ000251_03.0322.C13.o3.tw	Method	TBLASTX:Wheat
Start	12178	End	12576
GI	none	Score	77
Exons	12178..12267, 12307..12576, 12318..12554		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97462	Strand	-
Start	13987	End	14471
Name	OJ000251_03.0322.C13.o5.tw	Method	TBLASTX:Wheat
Start	12976	End	13269
GI	none	Score	140
Exons	12976..13140, 13165..13269		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97462	Strand	-
Start	13987	End	14471
Name	OJ000251_03.0322.C13.o3.tm	Method	TBLASTX:Maize
Start	12994	End	13374
GI	none	Score	89
Exons	12994..13152, 13150..13374		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97462	Strand	-
Start	13987	End	14471
Name	OJ000251_03.0322.C13.o4.ts	Method	TBLASTX:Soybean
Start	13027	End	13305
GI	none	Score	221
Exons	13027..13305, 13101..13217		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13

Gene No.	97462	Strand	-
Start	13987	End	14471
Name	OJ000251_03.0322.C13.o2.tw	Method	TBLASTX:Wheat
Start	13540	End	13956
GI	none	Score	221
Exons	13540..13956, 13779..13922		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97462	Strand	-
Start	13987	End	14471
Name	OJ000251_03.0322.C13.o3.ts	Method	TBLASTX:Soybean
Start	13732	End	13977
GI	none	Score	231
Exons	13732..13977, 13732..13899, 13734..13904, 13942..13971, 13944..13973		

Seq. No.	45993	Seq. ID	OJ000251_03.0322.C13
Gene No.	97462	Strand	-
Start	13987	End	14471
Name	OJ000251_03.0322.C13.o3.gs	Method	GENSCAN
Start	13987	End	14471
GI	none	Score	1
Exons	13987..14142, 14409..14471		

Seq. No.	45994	Seq. ID	OJ000251_03.0322.C22
Gene No.	97463	Strand	+
Start	1	End	889
Name	OJ000251_03.0322.C22.o1.np	Method	AAT/NAP
Start	1	End	889
GI	7340881	Score	124
Exons	1..203, 309..357, 855..889		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	45994	Seq. ID	OJ000251_03.0322.C22
Gene No.	97463	Strand	+
Start	1	End	889
Name	OJ000251_03.0322.C22.o1.gs	Method	GENSCAN
Start	596	End	667
GI	none	Score	.45
Exons	596..667		

Seq. No.	45995	Seq. ID	OJ000251_03.0322.C23
Gene No.	97464	Strand	+
Start	401	End	1325
Name	OJ000251_03.0322.C23.o1.gs	Method	GENSCAN
Start	401	End	1325
GI	none	Score	.6
Exons	401..762, 1202..1325		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97465	Strand	+
Start	630	End	970
Name	OJ000251_03.0322.C24.o1.gs	Method	GENSCAN
Start	630	End	970
GI	none	Score	.79
Exons	630..970		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97466	Strand	+
Start	1552	End	1616
Name	OJ000251_03.0322.C24.o1.gp	Method	AAT/GAP
Start	1552	End	1616
GI	uC-osflcyp158c04a1	Score	77
Exons	1552..1616		
GI Descrip.	'4581164/gb|AAD24647.1|AC006220_3 2.0e-17 (AC006220) putative polyprotein [Arabidopsis thaliana]'		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97467	Strand	+
Start	3082	End	14811
Name	OJ000251_03.0322.C24.o3.gs	Method	GENSCAN
Start	3082	End	14784
GI	none	Score	.57
Exons	3082..3171, 6392..6449, 6599..6775, 7829..7959, 7992..8027, 8345..8614, 8643..9083, 9147..10155, 10236..10440, 10504..11439, 11801..12240, 12322..12545, 13018..14162, 14283..14784		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97467	Strand	+
Start	3082	End	14811
Name	OJ000251_03.0322.C24.o1.np	Method	AAT/NAP
Start	8147	End	8792
GI	7248393	Score	920
Exons	8147..8792		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97467	Strand	+
Start	3082	End	14811
Name	OJ000251_03.0322.C24.o3.np	Method	AAT/NAP
Start	10913	End	14495
GI	7248394	Score	1646
Exons	10913..11802, 12070..13068, 14471..14495		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97467	Strand	+
Start	3082	End	14811
Name	OJ000251_03.0322.C24.o5.np	Method	AAT/NAP
Start	12666	End	14811
GI	629693	Score	524
Exons	12666..12687, 13715..14811		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97468	Strand	-
Start	2312	End	2653
Name	OJ000251_03.0322.C24.o2.gs	Method	GENSCAN
Start	2312	End	2653

GI	none	Score	.99
Exons	2312..2653		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97469	Strand	
Start	11057	End	11395
Name	OJ000251_03.0322.C24.o4.ts	Method	TBLASTX:Soybean
Start	11057	End	11395
GI	none	Score	200
Exons	11057..11395		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97470	Strand	
Start	11934	End	12803
Name	OJ000251_03.0322.C24.o1.tw	Method	TBLASTX:Wheat
Start	11934	End	12318
GI	none	Score	90
Exons	11934..11996, 11985..12272, 12008..12274, 12271..12318		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97470	Strand	
Start	11934	End	12803
Name	OJ000251_03.0322.C24.o2.tm	Method	TBLASTX:Maize
Start	11988	End	12206
GI	none	Score	283
Exons	11988..12206, 12008..12205		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97470	Strand	
Start	11934	End	12803
Name	OJ000251_03.0322.C24.o1.tm	Method	TBLASTX:Maize
Start	12207	End	12647
GI	none	Score	97
Exons	12207..12272, 12209..12274, 12271..12465, 12351..12647, 12356..12646		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97470	Strand	
Start	11934	End	12803
Name	OJ000251_03.0322.C24.o4.tw	Method	TBLASTX:Wheat
Start	12348	End	12716
GI	none	Score	185
Exons	12348..12653, 12392..12469, 12527..12649, 12615..12716		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97470	Strand	
Start	11934	End	12803
Name	OJ000251_03.0322.C24.o1.ts	Method	TBLASTX:Soybean
Start	12368	End	12803
GI	none	Score	188
Exons	12368..12463, 12369..12614, 12615..12803, 12659..12790		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97471	Strand	
Start	12954	End	13458
Name	OJ000251_03.0322.C24.o2.ts	Method	TBLASTX:Soybean
Start	12954	End	13334

GI	none	Score	73
Exons	12954..13037, 12956..13009, 13011..13073, 13021..13059, 13080..13334, 13081..13332		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97471	Strand	
Start	12954	End	13458
Name	OJ000251_03.0322.C24.o5.tw	Method	TBLASTX:Wheat
Start	13084	End	13458
GI	none	Score	179
Exons	13084..13458, 13206..13349		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97472	Strand	
Start	13783	End	14307
Name	OJ000251_03.0322.C24.o3.tm	Method	TBLASTX:Maize
Start	13783	End	14163
GI	none	Score	80
Exons	13783..13944, 13939..14163		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97472	Strand	
Start	13783	End	14307
Name	OJ000251_03.0322.C24.o3.ts	Method	TBLASTX:Soybean
Start	13786	End	14184
GI	none	Score	231
Exons	13786..14184, 13797..14096		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97472	Strand	
Start	13783	End	14307
Name	OJ000251_03.0322.C24.o3.tw	Method	TBLASTX:Wheat
Start	13944	End	14307
GI	none	Score	196
Exons	13944..14111, 13945..14307		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97473	Strand	
Start	14344	End	14800
Name	OJ000251_03.0322.C24.o2.tw	Method	TBLASTX:Wheat
Start	14344	End	14739
GI	none	Score	213
Exons	14344..14739, 14520..14717		

Seq. No.	45996	Seq. ID	OJ000251_03.0322.C24
Gene No.	97473	Strand	
Start	14344	End	14800
Name	OJ000251_03.0322.C24.o5.ts	Method	TBLASTX:Soybean
Start	14527	End	14800
GI	none	Score	190
Exons	14527..14760, 14527..14694, 14529..14699, 14739..14759, 14771..14800		

Seq. No.	45997	Seq. ID	OJ000251_03.0322.C25
Gene No.	97474	Strand	+
Start	228	End	293
Name	OJ000251_03.0322.C25.o1.gs	Method	GENSCAN

Start	228	End	293
GI	none	Score	.82
Exons	228..293		

Seq. No.	45998	Seq. ID	OJ000251_03.0322.C26
Gene No.	97475	Strand	+
Start	114	End	1914
Name	OJ000251_03.0322.C26.o1.gs	Method	GENSCAN
Start	114	End	1914
GI	none	Score	.75
Exons	114..272, 744..908, 1760..1914		

Seq. No.	45999	Seq. ID	OJ000251_03.0322.C29
Gene No.	97476	Strand	+
Start	2245	End	5680
Name	OJ000251_03.0322.C29.o1.gs	Method	GENSCAN
Start	2245	End	5680
GI	none	Score	.7
Exons	2245..2502, 2550..2663, 2735..3722, 4153..4255, 5389..5680		

Seq. No.	45999	Seq. ID	OJ000251_03.0322.C29
Gene No.	97477	Strand	-
Start	4314	End	7255
Name	OJ000251_03.0322.C29.o1.np	Method	AAT/NAP
Start	4314	End	7255
GI	6063554	Score	485
Exons	4314..4488, 5422..5678, 5796..6073, 7232..7255		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	45999	Seq. ID	OJ000251_03.0322.C29
Gene No.	97477	Strand	-
Start	4314	End	7255
Name	OJ000251_03.0322.C29.o2.gp	Method	AAT/GAP
Start	5537	End	5997
GI	LIB3434-015-P1-K1-G2	Score	841
Exons	5537..5997		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-46 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97478	Strand	+
Start	714	End	4984
Name	OJ000251_03.0322.C30.o1.np	Method	AAT/NAP
Start	714	End	4984
GI	5803259	Score	1434
Exons	714..1925, 2044..3033, 4958..4984		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97478	Strand	+
Start	714	End	4984
Name	OJ000251_03.0322.C30.o1.gs	Method	GENSCAN
Start	723	End	3117
GI	none	Score	.89
Exons	723..1927, 2028..3117		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97479	Strand	+
Start	13401	End	16153
Name	OJ000251_03.0322.C30.o3.gs	Method	GENSCAN
Start	13401	End	16066
GI	none	Score	.95
Exons	13401..13553, 14528..14628, 15253..15322, 15477..15504, 15587..15644, 15970..16066		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97479	Strand	+
Start	13401	End	16153
Name	OJ000251_03.0322.C30.o2.gp	Method	AAT/GAP
Start	13469	End	16153
GI	90811_1.R1084	Score	944
Exons	13469..13553, 14528..14628, 15253..15322, 15477..15504, 15587..15644, 15970..16153		
GI Descrip.	'2388999/emb|CAB11732| 8.0e-10 (Z98981) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97480	Strand	+
Start	16155	End	16402
Name	OJ000251_03.0322.C30.o3.gp	Method	AAT/GAP
Start	16155	End	16402
GI	none	Score	431
Exons	16155..16402		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97481	Strand	-
Start	3804	End	9741
Name	OJ000251_03.0322.C30.o2.gs	Method	GENSCAN
Start	3804	End	9741
GI	none	Score	.67
Exons	3804..5072, 5111..6563, 6608..6768, 6988..7299, 7378..8018, 8100..8309, 8375..8653, 8867..9052, 9129..9741		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97481	Strand	-
Start	3804	End	9741
Name	OJ000251_03.0322.C30.o2.np	Method	AAT/NAP
Start	3807	End	9726
GI	7228457	Score	6386
Exons	3807..5083, 5125..5397, 5464..7299, 7363..9213, 9285..9726		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97482	Strand	-
Start	12394	End	12527
Name	OJ000251_03.0322.C30.o1.gp	Method	AAT/GAP
Start	12394	End	12527
GI	23880_4.R1084	Score	112
Exons	12394..12454, 12485..12527		
GI Descrip.	'5777619/emb|CAB53480.1| 4.0e-17 (AJ245900) CAA30377.1 protein		

[Oryza sativa]'

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o6.tw	Method	TBLASTX:Wheat
Start	3816	End	4415
GI	none	Score	116
Exons	3816..3941, 3972..4010, 4126..4275, 4128..4415, 4327..4413		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o3.tw	Method	TBLASTX:Wheat
Start	4419	End	4800
GI	none	Score	228
Exons	4419..4799, 4450..4800		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o3.tm	Method	TBLASTX:Maize
Start	4614	End	4937
GI	none	Score	227
Exons	4614..4937, 4624..4920		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o8.tw	Method	TBLASTX:Wheat
Start	5180	End	5431
GI	none	Score	184
Exons	5180..5431		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o4.ts	Method	TBLASTX:Soybean
Start	5249	End	5812
GI	5666795	Score	62
Exons	5249..5431, 5486..5623, 5714..5812		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o5.tw	Method	TBLASTX:Wheat
Start	5486	End	5935
GI	none	Score	107
Exons	5486..5638, 5487..5627, 5705..5842, 5711..5935, 5712..5867		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o4.tw	Method	TBLASTX:Wheat
Start	6297	End	6720
GI	none	Score	112

Exons	6297..6482, 6302..6376, 6419..6508, 6499..6621, 6499..6720, 6500..6715, 6649..6717		
Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o4.tm	Method	TBLASTX:Maize
Start	6422	End	6778
GI	none	Score	154
Exons	6422..6505, 6493..6777, 6494..6778		
Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o2.ts	Method	TBLASTX:Soybean
Start	6508	End	6744
GI	none	Score	73
Exons	6508..6744, 6530..6625		
Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o2.tm	Method	TBLASTX:Maize
Start	6805	End	7161
GI	none	Score	179
Exons	6805..7161, 6815..7120		
Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o1.tw	Method	TBLASTX:Wheat
Start	6829	End	7291
GI	none	Score	306
Exons	6829..7290, 6830..7291		
Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o3.ts	Method	TBLASTX:Soybean
Start	6886	End	7251
GI	none	Score	110
Exons	6886..7020, 7036..7251		
Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o2.tw	Method	TBLASTX:Wheat
Start	7399	End	7930
GI	none	Score	147
Exons	7399..7929, 7418..7735, 7501..7917, 7757..7930		
Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o7.tw	Method	TBLASTX:Wheat
Start	8664	End	9053
GI	none	Score	108

Exons	8664..8936, 8698..8937, 8896..9006, 8904..9002, 8932..9006, 9009..9053		
Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o4.gs	Method	GENSCAN
Start	17118	End	22097
GI	none	Score	.91
Exons	17118..17171, 18301..18465, 18792..18867, 18955..19088, 19985..20118, 20225..20382, 20819..20970, 21818..22097		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o4.gp	Method	AAT/GAP
Start	17538	End	19277
GI	97_1.R1084	Score	2017
Exons	17538..17977, 18058..18192, 18301..18450, 18536..18569, 18651..18727, 18792..18867, 18955..19088, 19184..19277		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o5.gp	Method	AAT/GAP
Start	17663	End	19767
GI	97_1.R1084	Score	1772
Exons	17663..17977, 18058..18192, 18301..18450, 18536..18569, 18651..18727, 18792..18867, 18955..19088, 19184..19301, 19709..19767		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o6.gp	Method	AAT/GAP
Start	17829	End	19295
GI	97_1.R1084	Score	1468
Exons	17829..17977, 18058..18192, 18301..18450, 18536..18569, 18651..18727, 18792..18867, 18955..19088, 19184..19295		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o1.tm	Method	TBLASTX:Maize
Start	17833	End	18676
GI	none	Score	102
Exons	17833..17892, 17898..17978, 17900..17980, 17923..17979, 18048..18206, 18058..18192, 18059..18220, 18059..18220, 18300..18452, 18302..18451, 18303..18452, 18531..18587, 18535..18570, 18650..18676		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097

Name	OJ000251_03.0322.C30.o7.gp	Method	AAT/GAP
Start	17893	End	19276
GI	97_1.R1084	Score	1362
Exons	17893..17977, 18058..18192, 18301..18450, 18536..18569, 18651..18727, 18792..18867, 18955..19088, 19184..19276		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o3.np	Method	AAT/NAP
Start	17909	End	21979
GI	6331695	Score	1961
Exons	17909..17977, 18058..18192, 18301..18450, 18536..18569, 18651..18727, 18792..18867, 18955..19088, 19184..19276, 19985..20118, 20225..20374, 20712..20970, 21800..21979		
GI Descrip.	(AB024986) cyclin [Oryza sativa]		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o1.ts	Method	TBLASTX:Soybean
Start	17913	End	20378
GI	none	Score	65
Exons	17913..17978, 17918..17980, 17925..17978, 18058..18192, 18059..18193, 18301..18447, 18305..18451, 18533..18571, 18639..18728, 18650..18730, 18651..18728, 18656..18751, 18787..18864, 18788..18865, 18789..18866, 18789..18866, 18948..19097, 18954..19139, 18958..19101, 19178..19255, 19178..19279, 19182..19271, 19981..20064, 19985..20077, 20289..20378		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o8.gp	Method	AAT/GAP
Start	18051	End	20084
GI	97_1.R1084	Score	1371
Exons	18051..18192, 18301..18450, 18536..18569, 18651..18727, 18792..18867, 18955..19088, 19184..19276, 19985..20084		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o1.tc	Method	TBLASTX:Cress
Start	18058	End	20116
GI	none	Score	70
Exons	18058..18192, 18301..18447, 18650..18730, 18789..18866, 18790..18867, 18952..19101, 18954..19094, 19178..19279, 19184..19255, 19982..20116		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o9.gp	Method	AAT/GAP
Start	18075	End	20124

GI	97_1.R1084	Score	1409
Exons	18075..18192, 18301..18450, 18536..18569, 18651..18727, 18792..18867, 18955..19088, 19184..19276, 19985..20124		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o5.tm	Method	TBLASTX:Maize
Start	18686	End	20071
GI	none	Score	39
Exons	18686..18736, 18804..18866, 18804..18866, 18805..18867, 18948..19097, 18952..19101, 18954..19094, 19178..19270, 19182..19217, 19187..19264, 19979..20071		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o10.gp	Method	AAT/GAP
Start	18783	End	20887
GI	97_1.R1084	Score	1330
Exons	18783..18867, 18955..19088, 19184..19276, 19985..20118, 20225..20374, 20712..20887		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o11.gp	Method	AAT/GAP
Start	18889	End	20993
GI	97_1.R1084	Score	1308
Exons	18889..19088, 19184..19276, 19985..20118, 20225..20374, 20712..20993		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	46000	Seq. ID	OJ000251_03.0322.C30
Gene No.	97483	Strand	-
Start	17118	End	22097
Name	OJ000251_03.0322.C30.o12.gp	Method	AAT/GAP
Start	20384	End	20643
GI	LIB3431-010-P1-N1-F11	Score	453
Exons	20384..20643		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	46001	Seq. ID	OJ000211_02.0327.C4
Gene No.	97485	Strand	+
Start	1	End	174
Name	OJ000211_02.0327.C4.o1.gp	Method	AAT/GAP
Start	1	End	174
GI	uC-osflM2020114f04a1	Score	336
Exons	1..174		
GI Descrip.	'3850573 5.0e-11 (AC005278) Similar to gi_1652733 glycogen operon protein GlgX from Synechocystis sp. genome gb_D90908. ESTs gb_H36690, gb_AA712462, gb_AA651230 and gb_N95932 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	46001	Seq. ID	OJ000211_02.0327.C4
Gene No.	97486	Strand	-
Start	1	End	1431
Name	OJ000211_02.0327.C4.o1.np	Method	AAT/NAP
Start	1	End	1431
GI	3850573	Score	1394
Exons	1..1431		
GI Descrip.	(AC005278) Similar to gi|1652733 glycogen operon protein GlgX from Synechocystis sp. genome gb|D90908. ESTs gb|H36690, gb|AA712462, gb|AA651230 and gb|N95932 come from this gene. [Arabidopsis thaliana]		

Seq. No.	46001	Seq. ID	OJ000211_02.0327.C4
Gene No.	97486	Strand	-
Start	1	End	1431
Name	OJ000211_02.0327.C4.o1.tc	Method	TBLASTX:Cress
Start	1	End	1417
GI	none	Score	73
Exons	1..129, 2..136, 140..652, 154..651, 410..652, 655..1032, 659..1081, 1063..1095, 1120..1416, 1121..1216, 1235..1417		

Seq. No.	46001	Seq. ID	OJ000211_02.0327.C4
Gene No.	97486	Strand	-
Start	1	End	1431
Name	OJ000211_02.0327.C4.o2.tm	Method	TBLASTX:Maize
Start	811	End	1029
GI	none	Score	311
Exons	811..1029, 812..1027, 814..1029		

Seq. No.	46001	Seq. ID	OJ000211_02.0327.C4
Gene No.	97486	Strand	-
Start	1	End	1431
Name	OJ000211_02.0327.C4.o1.ts	Method	TBLASTX:Soybean
Start	823	End	1030
GI	none	Score	131
Exons	823..1026, 824..1030		

Seq. No.	46001	Seq. ID	OJ000211_02.0327.C4
Gene No.	97486	Strand	-
Start	1	End	1431
Name	OJ000211_02.0327.C4.o1.tm	Method	TBLASTX:Maize
Start	1030	End	1345
GI	none	Score	421
Exons	1030..1344, 1031..1345		

Seq. No.	46002	Seq. ID	OJ000211_02.0327.C5
Gene No.	97487	Strand	+
Start	359	End	1458
Name	OJ000211_02.0327.C5.o1.gs	Method	GENSCAN
Start	359	End	1458
GI	none	Score	.42
Exons	359..444, 545..608, 837..963, 1152..1359, 1401..1458		

Seq. No.	46003	Seq. ID	OJ000211_02.0327.C6
Gene No.	97488	Strand	+
Start	553	End	2908
Name	OJ000211_02.0327.C6.o1.tc	Method	TBLASTX:Cress

Start	538	End	1113
GI	none	Score	429
Exons	538..867, 544..867, 1012..1113		

Seq. No.	46003	Seq. ID	OJ000211_02.0327.C6
Gene No.	97488	Strand	+
Start	553	End	2908
Name	OJ000211_02.0327.C6.o1.ts	Method	TBLASTX:Soybean
Start	541	End	867
GI	none	Score	63
Exons	541..750, 552..701, 553..771, 766..867, 768..866		

Seq. No.	46003	Seq. ID	OJ000211_02.0327.C6
Gene No.	97488	Strand	+
Start	553	End	2908
Name	OJ000211_02.0327.C6.o1.gs	Method	GENSCAN
Start	553	End	2676
GI	none	Score	.98
Exons	553..866, 1026..1175, 1947..2082, 2223..2324, 2557..2676		

Seq. No.	46003	Seq. ID	OJ000211_02.0327.C6
Gene No.	97488	Strand	+
Start	553	End	2908
Name	OJ000211_02.0327.C6.o1.np	Method	AAT/NAP
Start	553	End	2908
GI	4263507	Score	880
Exons	553..866, 1026..1175, 1947..2082, 2223..2324, 2557..2908		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana] gi|7269775|emb|CAB77775.1| (AL161495) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46003	Seq. ID	OJ000211_02.0327.C6
Gene No.	97488	Strand	+
Start	553	End	2908
Name	OJ000211_02.0327.C6.o1.tm	Method	TBLASTX:Maize
Start	553	End	2270
GI	none	Score	381
Exons	553..867, 553..861, 714..866, 1012..1113, 1117..1179, 1944..2093, 1945..2085, 2223..2270, 2223..2270		

Seq. No.	46003	Seq. ID	OJ000211_02.0327.C6
Gene No.	97488	Strand	+
Start	553	End	2908
Name	OJ000211_02.0327.C6.o2.tc	Method	TBLASTX:Cress
Start	1942	End	2085
GI	none	Score	178
Exons	1942..2085, 1944..2084		

Seq. No.	46004	Seq. ID	OJ000211_02.0327.C7
Gene No.	97489	Strand	+
Start	6651	End	9178
Name	OJ000211_02.0327.C7.o1.np	Method	AAT/NAP
Start	6651	End	9178
GI	6907086	Score	1070
Exons	6651..6921, 8113..8621, 8682..9178		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	46004	Seq. ID	OJ000211_02.0327.C7
Gene No.	97489	Strand	+
Start	6651	End	9178
Name	OJ000211_02.0327.C7.o2.gs	Method	GENSCAN
Start	7478	End	8596
GI	none	Score	.66
Exons	7478..7579, 7909..7931, 7966..8080, 8105..8596		

Seq. No.	46005	Seq. ID	OJ000211_02.0327.C8
Gene No.	97490	Strand	+
Start	238	End	1044
Name	OJ000211_02.0327.C8.o1.gs	Method	GENSCAN
Start	238	End	1044
GI	none	Score	.77
Exons	238..354, 746..1044		

Seq. No.	46005	Seq. ID	OJ000211_02.0327.C8
Gene No.	97491	Strand	-
Start	2706	End	4520
Name	OJ000211_02.0327.C8.o2.gs	Method	GENSCAN
Start	2706	End	4520
GI	none	Score	.55
Exons	2706..2757, 3182..3272, 4324..4420, 4449..4520		

Seq. No.	46006	Seq. ID	OJ000211_02.0327.C9
Gene No.	97492	Strand	+
Start	460	End	589
Name	OJ000211_02.0327.C9.o1.gs	Method	GENSCAN
Start	460	End	589
GI	none	Score	.79
Exons	460..589		

Seq. No.	46006	Seq. ID	OJ000211_02.0327.C9
Gene No.	97493	Strand	+
Start	8334	End	8578
Name	OJ000211_02.0327.C9.o3.gs	Method	GENSCAN
Start	8334	End	8578
GI	none	Score	.86
Exons	8334..8367, 8379..8578		

Seq. No.	46006	Seq. ID	OJ000211_02.0327.C9
Gene No.	97494	Strand	+
Start	8576	End	8915
Name	OJ000211_02.0327.C9.o1.gp	Method	AAT/GAP
Start	8576	End	8915
GI	none	Score	633
Exons	8576..8915		

Seq. No.	46006	Seq. ID	OJ000211_02.0327.C9
Gene No.	97495	Strand	-
Start	2877	End	13648
Name	OJ000211_02.0327.C9.o2.np	Method	AAT/NAP
Start	2877	End	13648
GI	4758520	Score	58
Exons	2877..2932, 10568..10779, 13620..13648		
GI Descrip.	hect domain and RLD 2 gi|4079809|gb|AAD08657.1| (AF071172) HERC2 [Homo sapiens]		

Seq. No.	46006	Seq. ID	OJ000211_02.0327.C9
Gene No.	97495	Strand	-
Start	2877	End	13648
Name	OJ000211_02.0327.C9.o1.np	Method	AAT/NAP
Start	7810	End	13557
GI	7485349	Score	78
Exons	7810..7991, 9338..9472, 9665..9840, 10053..10177, 10352..10508, 13477..13557		
GI Descrip.	hypothetical protein F10M6.110 - Arabidopsis thaliana gi|2864618|emb|CAA16965.1| (AL021811) putative protein [Arabidopsis thaliana] gi|7270129|emb|CAB79943.1| (AL161580) putative protein [Arabidopsis thaliana]		

Seq. No.	46006	Seq. ID	OJ000211_02.0327.C9
Gene No.	97495	Strand	-
Start	2877	End	13648
Name	OJ000211_02.0327.C9.o2.ts	Method	TBLASTX:Soybean
Start	8781	End	9013
GI	none	Score	66
Exons	8781..8876, 8782..8880, 8783..8881, 8784..8921, 8862..8918, 8916..9011, 8916..9011, 8918..9013		

Seq. No.	46006	Seq. ID	OJ000211_02.0327.C9
Gene No.	97495	Strand	-
Start	2877	End	13648
Name	OJ000211_02.0327.C9.o4.gs	Method	GENSCAN
Start	8906	End	13637
GI	none	Score	.55
Exons	8906..9947, 10064..10230, 10270..10458, 10561..10779, 11285..11618, 12459..12692, 12816..12920, 13624..13637		

Seq. No.	46006	Seq. ID	OJ000211_02.0327.C9
Gene No.	97495	Strand	-
Start	2877	End	13648
Name	OJ000211_02.0327.C9.o1.tm	Method	TBLASTX:Maize
Start	8922	End	12709
GI	none	Score	128
Exons	8922..9218, 8945..9217, 8960..9145, 8963..9217, 9006..9224, 9212..9274, 9212..9310, 9224..9265, 9350..9595, 9353..9598, 9392..9526, 9467..9598, 9602..9664, 9602..9664, 9614..9982, 9615..9980, 9626..9982, 9680..9859, 9683..9910, 9690..10031, 9690..9854, 9944..10021, 9982..10023, 9982..10098, 9982..10023, 9995..10465, 10021..10461, 10024..10467, 10048..10419, 10067..10420, 10333..10464, 10558..10758, 10558..10605, 10642..10752, 11303..11491, 11369..11620, 11378..11443, 11441..11620, 11453..11620, 11457..11594, 11460..11630, 12557..12700, 12560..12709		

Seq. No.	46006	Seq. ID	OJ000211_02.0327.C9
Gene No.	97495	Strand	-
Start	2877	End	13648
Name	OJ000211_02.0327.C9.o1.tc	Method	TBLASTX:Cress
Start	8952	End	11620
GI	none	Score	127
Exons	8952..9224, 8963..9217, 9212..9274, 9353..9598, 9392..9472, 9396..9512, 9595..9618, 9602..9664, 9686..9976, 9767..9853,		

10025..10420, 10027..10419, 10417..10455, 10418..10465,
10558..10755, 10558..10728, 11378..11620, 11441..11620,
11448..11618

Seq. No.	46006	Seq. ID	OJ000211_02.0327.C9
Gene No.	97495	Strand	-
Start	2877	End	13648
Name	OJ000211_02.0327.C9.o2.gp	Method	AAT/GAP
Start	8991	End	9258
GI	none	Score	338
Exons	8991..9258		

Seq. No.	46006	Seq. ID	OJ000211_02.0327.C9
Gene No.	97495	Strand	-
Start	2877	End	13648
Name	OJ000211_02.0327.C9.o1.ts	Method	TBLASTX:Soybean
Start	9014	End	11620
GI	none	Score	351
Exons	9014..9214, 9224..9268, 9350..9397, 9398..9781, 9399..9785, 9779..9955, 9985..10023, 10051..10158, 10111..10362, 10345..10464, 10348..10413, 10636..10749, 11378..11428, 11453..11551, 11480..11548, 11549..11620		

Seq. No.	46006	Seq. ID	OJ000211_02.0327.C9
Gene No.	97495	Strand	-
Start	2877	End	13648
Name	OJ000211_02.0327.C9.o3.gp	Method	AAT/GAP
Start	10051	End	10683
GI	none	Score	997
Exons	10051..10458, 10561..10683		

Seq. No.	46007	Seq. ID	OJ000211_02.0327.C10
Gene No.	97496	Strand	-
Start	21	End	6242
Name	OJ000211_02.0327.C10.o1.gs	Method	GENSCAN
Start	21	End	6242
GI	none	Score	.8
Exons	21..131, 1321..1455, 1607..1728, 2079..2236, 2486..2643, 2718..3051, 3124..3249, 3791..4141, 5857..6242		

Seq. No.	46007	Seq. ID	OJ000211_02.0327.C10
Gene No.	97496	Strand	-
Start	21	End	6242
Name	OJ000211_02.0327.C10.o1.np	Method	AAT/NAP
Start	342	End	5120
GI	6330617	Score	74
Exons	342..364, 2509..2691, 2772..2993, 5094..5120		
GI Descrip.	(AB033049) KIAA1223 protein [Homo sapiens]		

Seq. No.	46007	Seq. ID	OJ000211_02.0327.C10
Gene No.	97496	Strand	-
Start	21	End	6242
Name	OJ000211_02.0327.C10.o1.gp	Method	AAT/GAP
Start	1666	End	2738
GI	5002941	Score	720
Exons	1666..1728, 2079..2236, 2486..2643, 2718..2738		

Seq. No.	46007	Seq. ID	OJ000211_02.0327.C10
Gene No.	97496	Strand	-
Start	21	End	6242
Name	OJ000211_02.0327.C10.o1.tc	Method	TBLASTX:Cress
Start	2113	End	2654
GI	none	Score	96
Exons	2113..2235, 2114..2239, 2497..2649, 2501..2644, 2529..2654		

Seq. No.	46007	Seq. ID	OJ000211_02.0327.C10
Gene No.	97496	Strand	-
Start	21	End	6242
Name	OJ000211_02.0327.C10.o2.np	Method	AAT/NAP
Start	2210	End	4145
GI	7320897	Score	47
Exons	2210..2228, 3791..3870, 3907..4145		
GI Descrip.	(AL161755) serine/threonine protein kinase [Streptomyces coelicolor A3(2)]		

Seq. No.	46007	Seq. ID	OJ000211_02.0327.C10
Gene No.	97496	Strand	-
Start	21	End	6242
Name	OJ000211_02.0327.C10.o1.ts	Method	TBLASTX:Soybean
Start	2485	End	2810
GI	none	Score	185
Exons	2485..2649, 2486..2644, 2511..2654, 2529..2648, 2713..2778, 2715..2786, 2718..2810		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97497	Strand	+
Start	1	End	10142
Name	OJ000211_02.0327.C11.o1.np	Method	AAT/NAP
Start	1	End	9564
GI	7485034	Score	735
Exons	1..47, 3853..4098, 4138..4240, 5280..5516, 6385..6583, 6618..6655, 6787..6908, 7435..7642, 8493..8539, 9447..9564		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2245120|emb|CAB10542.1| (Z97343) hypothetical protein [Arabidopsis thaliana] gi|7268514|emb|CAB78765.1| (AL161546) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97497	Strand	+
Start	1	End	10142
Name	OJ000211_02.0327.C11.o1.gs	Method	GENSCAN
Start	17	End	10142
GI	none	Score	.76
Exons	17..76, 1224..1276, 2482..2566, 3570..3660, 3713..4240, 5280..5512, 5595..5660, 6632..6655, 6787..6908, 7435..7642, 8493..8539, 9447..9531, 9825..9888, 10021..10142		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97497	Strand	+
Start	1	End	10142
Name	OJ000211_02.0327.C11.o1.gp	Method	AAT/GAP
Start	4057	End	4240
GI	none	Score	321
Exons	4057..4240		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97497	Strand	+
Start	1	End	10142
Name	OJ000211_02.0327.C11.o2.gp	Method	AAT/GAP
Start	5793	End	9477
GI	6763_1.R1084	Score	1108
Exons	5793..5873, 6468..6547, 6632..6655, 6787..6908, 7435..7642, 7735..7788, 8493..8539, 9447..9477		
GI Descrip.	'2245120/emb|CAB10542.1| 2.0e-57 (Z97343) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97498	Strand	+
Start	13468	End	15232
Name	OJ000211_02.0327.C11.o2.gs	Method	GENSCAN
Start	13468	End	15232
GI	none	Score	.68
Exons	13468..13667, 13898..13935, 14101..14169, 15018..15232		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97498	Strand	+
Start	13468	End	15232
Name	OJ000211_02.0327.C11.o2.np	Method	AAT/NAP
Start	13736	End	15223
GI	7329701	Score	324
Exons	13736..14011, 14101..14189, 14445..14497, 14595..14625, 14708..14789, 15018..15223		
GI Descrip.	(AL162295) putative protein [Arabidopsis thaliana]		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97499	Strand	+
Start	16382	End	22456
Name	OJ000211_02.0327.C11.o4.gp	Method	AAT/GAP
Start	16207	End	21952
GI	236_1.R1084	Score	3432
Exons	16207..16501, 17227..17525, 17591..17699, 18387..18512, 20728..20963, 21056..21374, 21534..21952		
GI Descrip.	'266410/sp|P29620|KC47_ORYSA 0.0e+00 CDC2+/CDC28-RELATED PROTEIN KINASE R2 >gi_82507_pir__S13934 protein kinase (EC 2.7.1.37) chain cdc2/cdc28 homolog - rice >gi_20194_emb_CAA41172_ (X58194) cdc2+/CDC28-related protein kinase [Oryza sativa]'		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97499	Strand	+
Start	16382	End	22456
Name	OJ000211_02.0327.C11.o3.gs	Method	GENSCAN
Start	16382	End	22456
GI	none	Score	.83
Exons	16382..16501, 17227..17525, 17591..17699, 18387..18512, 20728..20963, 21056..21315, 22236..22456		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97499	Strand	+
Start	16382	End	22456
Name	OJ000211_02.0327.C11.o3.np	Method	AAT/NAP
Start	16382	End	21594

GI	266410	Score	2000
Exons	16382..16501, 17227..17525, 17591..17699, 18387..18512, 20728..20963, 21056..21374, 21534..21594		
GI Descrip.	CDC2+/CDC28-RELATED PROTEIN KINASE R2 gi|82507|pir||S13934 protein kinase (EC 2.7.1.37) chain cdc2/cdc28 homolog - rice gi|20194|emb|CAA41172.1| (X58194) cdc2+/CDC28-related protein kinase [Oryza sativa]		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97500	Strand	-
Start	10154	End	10511
Name	OJ000211_02.0327.C11.o4.ts	Method	TBLASTX:Soybean
Start	5422	End	6547
GI	none	Score	112
Exons	5422..5511, 5423..5512, 5586..5660, 5594..5659, 5795..5872, 6454..6546, 6467..6547		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97500	Strand	-
Start	10154	End	10511
Name	OJ000211_02.0327.C11.o2.tm	Method	TBLASTX:Maize
Start	6465	End	8542
GI	none	Score	104
Exons	6465..6533, 6466..6558, 6467..6535, 6467..6568, 6630..6659, 6632..6658, 6632..6664, 6766..6897, 6767..6901, 6784..6909, 6785..6907, 6786..6911, 7432..7641, 7432..7644, 7433..7645, 7733..7771, 7734..7751, 7756..7794, 8483..8542, 8493..8540		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97500	Strand	-
Start	10154	End	10511
Name	OJ000211_02.0327.C11.o1.tw	Method	TBLASTX:Wheat
Start	6790	End	7759
GI	none	Score	205
Exons	6790..6915, 6792..6917, 6793..6915, 7414..7491, 7433..7492, 7433..7492, 7441..7644, 7493..7645, 7732..7758, 7733..7759		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97500	Strand	-
Start	10154	End	10511
Name	OJ000211_02.0327.C11.o2.ts	Method	TBLASTX:Soybean
Start	6811	End	9498
GI	none	Score	161
Exons	6811..6909, 6813..6911, 7432..7503, 7433..7504, 7502..7648, 7504..7641, 7732..7794, 8486..8539, 8493..8540, 8493..8546, 9424..9498, 9424..9498		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97500	Strand	-
Start	10154	End	10511
Name	OJ000211_02.0327.C11.o4.tm	Method	TBLASTX:Maize
Start	9457	End	10375
GI	none	Score	123
Exons	9457..9531, 9460..9531, 9822..9893, 9823..9897, 9824..9886, 10020..10157, 10022..10135, 10039..10140, 10229..10375		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11

Gene No.	97500	Strand	-
Start	10154	End	10511
Name	OJ000211_02.0327.C11.o3.gp	Method	AAT/GAP
Start	10154	End	10511
GI	none	Score	676
Exons	10154..10511		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97501	Strand	
Start	13483	End	14195
Name	OJ000211_02.0327.C11.o2.tc	Method	TBLASTX:Cress
Start	13483	End	14195
GI	none	Score	63
Exons	13483..13530, 13585..13680, 13894..14007, 13906..14007, 14094..14174, 14106..14195		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97502	Strand	
Start	16418	End	17708
Name	OJ000211_02.0327.C11.o3.ts	Method	TBLASTX:Soybean
Start	16418	End	17641
GI	none	Score	129
Exons	16418..16498, 17227..17397, 17230..17526, 17235..17396, 17360..17515, 17370..17525, 17389..17529, 17584..17613, 17588..17641, 17589..17639		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97502	Strand	
Start	16418	End	17708
Name	OJ000211_02.0327.C11.o3.tm	Method	TBLASTX:Maize
Start	16430	End	17708
GI	none	Score	73
Exons	16430..16495, 17227..17415, 17461..17526, 17589..17618, 17604..17708, 17639..17707		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97502	Strand	
Start	16418	End	17708
Name	OJ000211_02.0327.C11.o1.tc	Method	TBLASTX:Cress
Start	17350	End	17699
GI	none	Score	249
Exons	17350..17526, 17350..17532, 17352..17528, 17355..17537, 17588..17698, 17589..17699		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97503	Strand	
Start	18465	End	21782
Name	OJ000211_02.0327.C11.o1.ts	Method	TBLASTX:Soybean
Start	18465	End	21271
GI	none	Score	82
Exons	18465..18512, 20722..20967, 20724..20966, 20792..20983, 21053..21124, 21054..21125, 21087..21203, 21134..21271		

Seq. No.	46008	Seq. ID	OJ000211_02.0327.C11
Gene No.	97503	Strand	
Start	18465	End	21782
Name	OJ000211_02.0327.C11.o1.tm	Method	TBLASTX:Maize

Start	20760	End	21782
GI	none	Score	321
Exons	20760..20966, 20761..20967, 20762..20971, 21053..21223, 21054..21224, 21055..21225, 21121..21225, 21229..21303, 21230..21304, 21231..21302, 21303..21335, 21304..21342, 21305..21343, 21328..21363, 21337..21363, 21339..21374, 21339..21374, 21522..21596, 21525..21632, 21532..21597, 21599..21619, 21729..21782		

Seq. No.	46009	Seq. ID	OJ000211_02.0327.C12
Gene No.	97504	Strand	+
Start	2230	End	7631
Name	OJ000211_02.0327.C12.o2.np	Method	AAT/NAP
Start	2230	End	7619
GI	3935149	Score	1397
Exons	2230..2334, 4751..4886, 5438..5749, 5819..6598, 6635..7619		
GI Descrip.	(AC005106) T25N20.13 [Arabidopsis thaliana]		

Seq. No.	46009	Seq. ID	OJ000211_02.0327.C12
Gene No.	97504	Strand	+
Start	2230	End	7631
Name	OJ000211_02.0327.C12.o1.gs	Method	GENSCAN
Start	2659	End	7631
GI	none	Score	.68
Exons	2659..3415, 3421..4904, 5453..5605, 5694..7631		

Seq. No.	46009	Seq. ID	OJ000211_02.0327.C12
Gene No.	97505	Strand	-
Start	2736	End	8036
Name	OJ000211_02.0327.C12.o1.np	Method	AAT/NAP
Start	2736	End	8036
GI	5420387	Score	231
Exons	2736..2970, 3065..3136, 3457..3756, 4102..4248, 8004..8036		
GI Descrip.	(AJ243459) proteophosphoglycan [Leishmania major]		

Seq. No.	46009	Seq. ID	OJ000211_02.0327.C12
Gene No.	97505	Strand	-
Start	2736	End	8036
Name	OJ000211_02.0327.C12.o1.tc	Method	TBLASTX:Cress
Start	5883	End	6503
GI	none	Score	59
Exons	5883..5933, 5960..6178, 5961..6179, 6204..6311, 6323..6496, 6324..6503		

Seq. No.	46009	Seq. ID	OJ000211_02.0327.C12
Gene No.	97505	Strand	-
Start	2736	End	8036
Name	OJ000211_02.0327.C12.o2.tm	Method	TBLASTX:Maize
Start	6375	End	7325
GI	none	Score	150
Exons	6375..6539, 6377..6541, 6954..7169, 7167..7325, 7178..7321		

Seq. No.	46009	Seq. ID	OJ000211_02.0327.C12
Gene No.	97505	Strand	-
Start	2736	End	8036
Name	OJ000211_02.0327.C12.o1.tm	Method	TBLASTX:Maize
Start	6633	End	6899

GI	none	Score	405
Exons	6633..6899, 6638..6898		

Seq. No.	46009	Seq. ID	OJ000211_02.0327.C12
Gene No.	97505	Strand	-
Start	2736	End	8036
Name	OJ000211_02.0327.C12.o2.tc	Method	TBLASTX:Cress
Start	6954	End	7283
GI	none	Score	138
Exons	6954..7169, 7167..7283, 7178..7282		

Seq. No.	46009	Seq. ID	OJ000211_02.0327.C12
Gene No.	97505	Strand	-
Start	2736	End	8036
Name	OJ000211_02.0327.C12.o1.ts	Method	TBLASTX:Soybean
Start	7086	End	7510
GI	none	Score	64
Exons	7086..7172, 7194..7421, 7199..7402, 7427..7510		

Seq. No.	46010	Seq. ID	OJ000211_02.0327.C13
Gene No.	97506	Strand	-
Start	1	End	55
Name	OJ000211_02.0327.C13.o1.gp	Method	AAT/GAP
Start	1	End	55
GI	none	Score	98
Exons	1..55		

Seq. No.	46011	Seq. ID	OJ000211_02.0327.C14
Gene No.	97507	Strand	-
Start	6263	End	9577
Name	OJ000211_02.0327.C14.o1.np	Method	AAT/NAP
Start	6260	End	9568
GI	6729039	Score	955
Exons	6260..6554, 6673..6839, 7518..7664, 7755..7986, 9423..9568		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		

Seq. No.	46011	Seq. ID	OJ000211_02.0327.C14
Gene No.	97507	Strand	-
Start	6263	End	9577
Name	OJ000211_02.0327.C14.o2.gs	Method	GENSCAN
Start	6263	End	9577
GI	none	Score	.94
Exons	6263..6554, 6673..6839, 7518..7664, 7755..7863, 9423..9577		

Seq. No.	46011	Seq. ID	OJ000211_02.0327.C14
Gene No.	97507	Strand	-
Start	6263	End	9577
Name	OJ000211_02.0327.C14.o1.gp	Method	AAT/GAP
Start	6318	End	9515
GI	22731_1.R1084	Score	1631
Exons	6318..6554, 6673..6839, 7518..7664, 7755..7986, 9423..9515		
GI Descrip.	'2132293/pir||S69019 5.0e-15 hypothetical protein YPR128c - yeast (Saccharomyces cerevisiae) >gi_1066487 (U40829) Similar to mitochondrial ADP/ATP carrier protein (Swiss Prot. accession number P12235) and mitochondrial phosphate carrier protein (Swiss Prot. accession number Q00325) [Saccharomyces cerevisiae]'		

Seq. No.	46011	Seq. ID	OJ000211_02.0327.C14
Gene No.	97508	Strand	-
Start	9591	End	9674
Name	OJ000211_02.0327.C14.o1.tm	Method	TBLASTX:Maize
Start	6132	End	9562
GI	none	Score	64
Exons	6132..6206, 6269..6556, 6270..6563, 6667..6762, 6670..6843, 6671..6841, 6672..6845, 7506..7682, 7507..7665, 7518..7667, 7797..7988, 7798..7839, 7800..7988, 7870..7989, 9420..9551, 9422..9556, 9497..9562		

Seq. No.	46011	Seq. ID	OJ000211_02.0327.C14
Gene No.	97508	Strand	-
Start	9591	End	9674
Name	OJ000211_02.0327.C14.o1.tw	Method	TBLASTX:Wheat
Start	6167	End	6504
GI	none	Score	329
Exons	6167..6496, 6261..6494, 6262..6504, 6265..6504		

Seq. No.	46011	Seq. ID	OJ000211_02.0327.C14
Gene No.	97508	Strand	-
Start	9591	End	9674
Name	OJ000211_02.0327.C14.o1.ts	Method	TBLASTX:Soybean
Start	6261	End	9553
GI	none	Score	153
Exons	6261..6482, 6269..6481, 6524..6556, 6530..6574, 6667..6768, 6672..6776, 6825..6845, 7506..7667, 7507..7668, 7549..7668, 7797..7988, 7801..7926, 7885..7989, 9446..9553		

Seq. No.	46011	Seq. ID	OJ000211_02.0327.C14
Gene No.	97508	Strand	-
Start	9591	End	9674
Name	OJ000211_02.0327.C14.o2.tc	Method	TBLASTX:Cress
Start	6305	End	6723
GI	none	Score	138
Exons	6305..6472, 6312..6461, 6511..6570, 6530..6556, 6667..6723, 6672..6722		

Seq. No.	46011	Seq. ID	OJ000211_02.0327.C14
Gene No.	97508	Strand	-
Start	9591	End	9674
Name	OJ000211_02.0327.C14.o1.tc	Method	TBLASTX:Cress
Start	7636	End	9553
GI	none	Score	39
Exons	7636..7668, 7638..7667, 7797..7988, 7798..7989, 9443..9553		

Seq. No.	46011	Seq. ID	OJ000211_02.0327.C14
Gene No.	97508	Strand	-
Start	9591	End	9674
Name	OJ000211_02.0327.C14.o2.tw	Method	TBLASTX:Wheat
Start	7824	End	9562
GI	none	Score	199
Exons	7824..7988, 7824..7988, 7828..7989, 7882..7989, 9420..9551, 9422..9556, 9497..9562		

Seq. No.	46011	Seq. ID	OJ000211_02.0327.C14

Gene No.	97508	Strand	-
Start	9591	End	9674
Name	OJ000211_02.0327.C14.o2.gp	Method	AAT/GAP
Start	9591	End	9674
GI	none	Score	160
Exons	9591..9674		

Seq. No.	46012	Seq. ID	OJ000211_02.0327.C15
Gene No.	97509	Strand	-
Start	3972	End	4618
Name	OJ000211_02.0327.C15.o2.gs	Method	GENSCAN
Start	3972	End	4618
GI	none	Score	.5
Exons	3972..4083, 4260..4471, 4559..4618		

Seq. No.	46013	Seq. ID	OJ000211_02.0327.C16
Gene No.	97510	Strand	+
Start	1	End	1407
Name	OJ000211_02.0327.C16.o1.np	Method	AAT/NAP
Start	1	End	1407
GI	6671958	Score	627
Exons	1..559, 959..1407		
GI Descrip.	(AC013454) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46013	Seq. ID	OJ000211_02.0327.C16
Gene No.	97510	Strand	+
Start	1	End	1407
Name	OJ000211_02.0327.C16.o1.tm	Method	TBLASTX:Maize
Start	3	End	263
GI	none	Score	141
Exons	3..68, 4..111, 129..263, 129..200		

Seq. No.	46013	Seq. ID	OJ000211_02.0327.C16
Gene No.	97510	Strand	+
Start	1	End	1407
Name	OJ000211_02.0327.C16.o1.gs	Method	GENSCAN
Start	60	End	1115
GI	none	Score	.83
Exons	60..559, 959..1115		

Seq. No.	46014	Seq. ID	OJ000211_02.0327.C17
Gene No.	97511	Strand	-
Start	1	End	3183
Name	OJ000211_02.0327.C17.o1.np	Method	AAT/NAP
Start	1	End	1964
GI	6630696	Score	2697
Exons	1..1041, 1236..1964		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	46014	Seq. ID	OJ000211_02.0327.C17
Gene No.	97511	Strand	-
Start	1	End	3183
Name	OJ000211_02.0327.C17.o1.tw	Method	TBLASTX:Wheat
Start	3	End	334
GI	none	Score	104

Exons	3..20, 16..111, 17..112, 85..333, 86..334		
Seq. No.	46014	Seq. ID	OJ000211_02.0327.C17
Gene No.	97511	Strand	-
Start	1	End	3183
Name	OJ000211_02.0327.C17.o3.tm	Method	TBLASTX:Maize
Start	49	End	441
GI	none	Score	74
Exons	49..441, 50..160		
Seq. No.	46014	Seq. ID	OJ000211_02.0327.C17
Gene No.	97511	Strand	-
Start	1	End	3183
Name	OJ000211_02.0327.C17.o1.ts	Method	TBLASTX:Soybean
Start	109	End	358
GI	none	Score	100
Exons	109..162, 181..357, 184..348, 275..358		
Seq. No.	46014	Seq. ID	OJ000211_02.0327.C17
Gene No.	97511	Strand	-
Start	1	End	3183
Name	OJ000211_02.0327.C17.o1.tm	Method	TBLASTX:Maize
Start	529	End	933
GI	none	Score	223
Exons	529..621, 613..933, 622..909		
Seq. No.	46014	Seq. ID	OJ000211_02.0327.C17
Gene No.	97511	Strand	-
Start	1	End	3183
Name	OJ000211_02.0327.C17.o1.gs	Method	GENSCAN
Start	1434	End	3114
GI	none	Score	.7
Exons	1434..2067, 2308..2525, 2989..3114		
Seq. No.	46014	Seq. ID	OJ000211_02.0327.C17
Gene No.	97511	Strand	-
Start	1	End	3183
Name	OJ000211_02.0327.C17.o2.tm	Method	TBLASTX:Maize
Start	1612	End	1922
GI	none	Score	117
Exons	1612..1875, 1614..1922, 1617..1883		
Seq. No.	46014	Seq. ID	OJ000211_02.0327.C17
Gene No.	97511	Strand	-
Start	1	End	3183
Name	OJ000211_02.0327.C17.o2.tw	Method	TBLASTX:Wheat
Start	1673	End	2069
GI	none	Score	140
Exons	1673..1855, 1674..1958, 1687..1965, 1899..2069, 1972..2052		
Seq. No.	46014	Seq. ID	OJ000211_02.0327.C17
Gene No.	97511	Strand	-
Start	1	End	3183
Name	OJ000211_02.0327.C17.o2.np	Method	AAT/NAP
Start	1680	End	3183
GI	6721516	Score	235
Exons	1680..1701, 2882..3183		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	46015	Seq. ID	OJ000211_02.0327.C18
Gene No.	97512	Strand	-
Start	180	End	1835
Name	OJ000211_02.0327.C18.o1.np	Method	AAT/NAP
Start	180	End	1835
GI	6721516	Score	298
Exons	180..421, 1768..1835		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	46016	Seq. ID	OJ000211_02.0327.C19
Gene No.	97513	Strand	+
Start	1105	End	1388
Name	OJ000211_02.0327.C19.o1.gs	Method	GENSCAN
Start	1105	End	1388
GI	none	Score	.72
Exons	1105..1200, 1233..1388		

Seq. No.	46016	Seq. ID	OJ000211_02.0327.C19
Gene No.	97514	Strand	+
Start	2055	End	2166
Name	OJ000211_02.0327.C19.o1.np	Method	AAT/NAP
Start	2055	End	2166
GI	6983864	Score	87
Exons	2055..2166		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	46017	Seq. ID	OJ000211_02.0327.C20
Gene No.	97515	Strand	-
Start	3202	End	3735
Name	OJ000211_02.0327.C20.o2.gs	Method	GENSCAN
Start	3202	End	3735
GI	none	Score	.9
Exons	3202..3735		

Seq. No.	46018	Seq. ID	OJ000211_02.0327.C21
Gene No.	97516	Strand	+
Start	1	End	661
Name	OJ000211_02.0327.C21.o1.gp	Method	AAT/GAP
Start	1	End	661
GI	6547_1.R1084	Score	655
Exons	1..261, 485..661		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	46018	Seq. ID	OJ000211_02.0327.C21
Gene No.	97517	Strand	-
Start	370	End	4808
Name	OJ000211_02.0327.C21.o1.gs	Method	GENSCAN
Start	370	End	3651
GI	none	Score	.64
Exons	370..581, 1706..1935, 2408..2587, 2737..2787, 3354..3395, 3565..3651		

Seq. No.	46018	Seq. ID	OJ000211_02.0327.C21
Gene No.	97517	Strand	-

Start	370	End	4808
Name	OJ000211_02.0327.C21.o1.tc	Method	TBLASTX:Cress
Start	1693	End	3657
GI	none	Score	81
Exons	1693..1809, 1694..1810, 1762..1938, 2411..2596, 2411..2593, 2443..2595, 2737..2802, 2738..2788, 3565..3657		

Seq. No.	46018	Seq. ID	OJ000211_02.0327.C21
Gene No.	97517	Strand	-
Start	370	End	4808
Name	OJ000211_02.0327.C21.o1.np	Method	AAT/NAP
Start	1705	End	4808
GI	1483213	Score	491
Exons	1705..1935, 2408..2587, 2737..2787, 3565..3654, 4774..4808		
GI Descrip.	(X96480) PAC [Arabidopsis thaliana] gi|5729705|gb|AAD48512.1|AC007927_2 (AC006072) pale cress protein [Arabidopsis thaliana]		

Seq. No.	46018	Seq. ID	OJ000211_02.0327.C21
Gene No.	97517	Strand	-
Start	370	End	4808
Name	OJ000211_02.0327.C21.o2.gp	Method	AAT/GAP
Start	1759	End	3657
GI	8524_1.R1084	Score	900
Exons	1759..1935, 2408..2587, 2737..2787, 3565..3657		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 3.0e-57 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	46018	Seq. ID	OJ000211_02.0327.C21
Gene No.	97517	Strand	-
Start	370	End	4808
Name	OJ000211_02.0327.C21.o1.ts	Method	TBLASTX:Soybean
Start	1855	End	3657
GI	none	Score	78
Exons	1855..1938, 2405..2593, 2424..2501, 2444..2593, 2737..2802, 2738..2788, 3561..3650, 3565..3657		

Seq. No.	46018	Seq. ID	OJ000211_02.0327.C21
Gene No.	97517	Strand	-
Start	370	End	4808
Name	OJ000211_02.0327.C21.o2.tm	Method	TBLASTX:Maize
Start	2406	End	3654
GI	none	Score	82
Exons	2406..2495, 2411..2497, 2412..2504, 2453..2572, 2480..2587, 2497..2574, 2733..2786, 2740..2787, 2741..2788, 3565..3654, 3576..3653		

Seq. No.	46018	Seq. ID	OJ000211_02.0327.C21
Gene No.	97517	Strand	-
Start	370	End	4808
Name	OJ000211_02.0327.C21.o1.tm	Method	TBLASTX:Maize
Start	4157	End	4478
GI	none	Score	71
Exons	4157..4204, 4227..4478, 4316..4474		

Seq. No.	46019	Seq. ID	OJ000211_02.0327.C22
Gene No.	97518	Strand	-

Start	162	End	1437
Name	OJ000211_02.0327.C22.o1.gp	Method	AAT/GAP
Start	162	End	1437
GI	8524_1.R1084	Score	792
Exons	162..360, 1084..1163, 1267..1437		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 3.0e-57 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	46019	Seq. ID	OJ000211_02.0327.C22
Gene No.	97518	Strand	-
Start	162	End	1437
Name	OJ000211_02.0327.C22.o1.gs	Method	GENSCAN
Start	166	End	1414
GI	none	Score	.69
Exons	166..360, 1084..1163, 1267..1414		

Seq. No.	46019	Seq. ID	OJ000211_02.0327.C22
Gene No.	97518	Strand	-
Start	162	End	1437
Name	OJ000211_02.0327.C22.o1.np	Method	AAT/NAP
Start	166	End	1268
GI	551167	Score	209
Exons	166..360, 1084..1268		
GI Descrip.	(L35241) moesin actin-binding domain homologue [Arabidopsis thaliana]		

Seq. No.	46020	Seq. ID	OJ000211_02.0327.C23
Gene No.	97519	Strand	+
Start	440	End	849
Name	OJ000211_02.0327.C23.o1.gs	Method	GENSCAN
Start	440	End	849
GI	none	Score	.83
Exons	440..622, 839..849		

Seq. No.	46020	Seq. ID	OJ000211_02.0327.C23
Gene No.	97520	Strand	-
Start	770	End	4950
Name	OJ000211_02.0327.C23.o1.gp	Method	AAT/GAP
Start	770	End	4291
GI	none	Score	686
Exons	770..1038, 4208..4291		

Seq. No.	46020	Seq. ID	OJ000211_02.0327.C23
Gene No.	97520	Strand	-
Start	770	End	4950
Name	OJ000211_02.0327.C23.o2.gs	Method	GENSCAN
Start	2307	End	4950
GI	none	Score	.87
Exons	2307..2422, 2721..2760, 2907..3030, 4208..4950		

Seq. No.	46020	Seq. ID	OJ000211_02.0327.C23
Gene No.	97520	Strand	-
Start	770	End	4950
Name	OJ000211_02.0327.C23.o1.np	Method	AAT/NAP
Start	4167	End	4914
GI	6862922	Score	403
Exons	4167..4401, 4435..4914		

GI Descrip. (AC018907) unknown protein [Arabidopsis thaliana]

Seq. No.	46020	Seq. ID	OJ000211_02.0327.C23
Gene No.	97520	Strand	-
Start	770	End	4950
Name	OJ000211_02.0327.C23.o1.tc	Method	TBLASTX:Cress
Start	4210	End	4503
GI	none	Score	105
Exons	4210..4371, 4238..4357, 4357..4401, 4370..4399, 4447..4503		

Seq. No.	46021	Seq. ID	OJ000211_02.0327.C24
Gene No.	97521	Strand	-
Start	35	End	1710
Name	OJ000211_02.0327.C24.o1.np	Method	AAT/NAP
Start	35	End	1710
GI	6671958	Score	177
Exons	35..127, 481..567, 656..724, 790..861, 947..1082, 1673..1710		
GI Descrip.	(AC013454) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46021	Seq. ID	OJ000211_02.0327.C24
Gene No.	97521	Strand	-
Start	35	End	1710
Name	OJ000211_02.0327.C24.o1.gs	Method	GENSCAN
Start	497	End	1082
GI	none	Score	.6
Exons	497..567, 790..861, 947..1082		

Seq. No.	46022	Seq. ID	OJ000211_02.0327.C25
Gene No.	97522	Strand	-
Start	1	End	715
Name	OJ000211_02.0327.C25.o1.np	Method	AAT/NAP
Start	1	End	715
GI	6721516	Score	222
Exons	1..23, 298..537, 695..715		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	46023	Seq. ID	OJ991119_09.0403.C1
Gene No.	97523	Strand	+
Start	1	End	820
Name	OJ991119_09.0403.C1.o1.np	Method	AAT/NAP
Start	1	End	820
GI	7076769	Score	256
Exons	1..101, 358..820		
GI Descrip.	(AL138658) multi resistance protein homolog [Arabidopsis thaliana]		

Seq. No.	46023	Seq. ID	OJ991119_09.0403.C1
Gene No.	97523	Strand	+
Start	1	End	820
Name	OJ991119_09.0403.C1.o1.tc	Method	TBLASTX:Cress
Start	284	End	817
GI	none	Score	81
Exons	284..520, 530..700, 707..817		

Seq. No.	46024	Seq. ID	OJ991119_09.0403.C2
Gene No.	97524	Strand	-
Start	1	End	2531

Name	OJ991119_09.0403.C2.o1.np	Method	AAT/NAP
Start	1	End	2531
GI	2342691	Score	387
Exons	1..52, 346..516, 756..835, 1243..1306, 1839..1935, 2044..2154, 2323..2531		
GI Descrip.	(AC000106) F7G19.26 [Arabidopsis thaliana]		

Seq. No.	46024	Seq. ID	OJ991119_09.0403.C2
Gene No.	97524	Strand	-
Start	1	End	2531
Name	OJ991119_09.0403.C2.o1.gs	Method	GENSCAN
Start	359	End	1935
GI	none	Score	.73
Exons	359..511, 1230..1306, 1839..1935		

Seq. No.	46025	Seq. ID	OJ991119_09.0403.C3
Gene No.	97525	Strand	+
Start	16	End	673
Name	OJ991119_09.0403.C3.o1.gs	Method	GENSCAN
Start	16	End	673
GI	none	Score	.77
Exons	16..182, 529..673		

Seq. No.	46025	Seq. ID	OJ991119_09.0403.C3
Gene No.	97526	Strand	-
Start	859	End	1374
Name	OJ991119_09.0403.C3.o2.gs	Method	GENSCAN
Start	859	End	1374
GI	none	Score	.94
Exons	859..900, 1087..1374		

Seq. No.	46026	Seq. ID	OJ991119_09.0403.C4
Gene No.	97527	Strand	+
Start	132	End	6702
Name	OJ991119_09.0403.C4.o1.gs	Method	GENSCAN
Start	132	End	5805
GI	none	Score	.73
Exons	132..977, 2077..2185, 2655..2739, 4544..4716, 4841..5243, 5592..5805		

Seq. No.	46026	Seq. ID	OJ991119_09.0403.C4
Gene No.	97527	Strand	+
Start	132	End	6702
Name	OJ991119_09.0403.C4.o1.np	Method	AAT/NAP
Start	132	End	987
GI	7076773	Score	160
Exons	132..987		
GI Descrip.	(AL138658) putative protein [Arabidopsis thaliana]		

Seq. No.	46026	Seq. ID	OJ991119_09.0403.C4
Gene No.	97527	Strand	+
Start	132	End	6702
Name	OJ991119_09.0403.C4.o2.np	Method	AAT/NAP
Start	2858	End	6702
GI	7485555	Score	50
Exons	2858..2882, 5197..5299, 6676..6702		
GI Descrip.	hypothetical protein F16G20.190 - Arabidopsis thaliana		

gi|3451074|emb|CAA20470.1| (AL031326) putative protein [Arabidopsis thaliana] gi|7269197|emb|CAB79304.1| (AL161559) putative protein [Arabidopsis thaliana]

Seq. No.	46026	Seq. ID	OJ991119_09.0403.C4
Gene No.	97527	Strand	+
Start	132	End	6702
Name	OJ991119_09.0403.C4.o3.np	Method	AAT/NAP
Start	5567	End	6378
GI	7444451	Score	1032
Exons	5567..6378		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	46026	Seq. ID	OJ991119_09.0403.C4
Gene No.	97528	Strand	-
Start	6444	End	6597
Name	OJ991119_09.0403.C4.o4.np	Method	AAT/NAP
Start	6444	End	6597
GI	7340920	Score	128
Exons	6444..6597		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	46026	Seq. ID	OJ991119_09.0403.C4
Gene No.	97529	Strand	-
Start	7186	End	7540
Name	OJ991119_09.0403.C4.o1.tm	Method	TBLASTX:Maize
Start	5656	End	6081
GI	none	Score	93
Exons	5656..5748, 5785..6081, 5850..6011		

Seq. No.	46026	Seq. ID	OJ991119_09.0403.C4
Gene No.	97529	Strand	-
Start	7186	End	7540
Name	OJ991119_09.0403.C4.o1.tw	Method	TBLASTX:Wheat
Start	5896	End	6234
GI	none	Score	264
Exons	5896..6234, 5959..6087		

Seq. No.	46026	Seq. ID	OJ991119_09.0403.C4
Gene No.	97529	Strand	-
Start	7186	End	7540
Name	OJ991119_09.0403.C4.o5.np	Method	AAT/NAP
Start	7186	End	7540
GI	6006359	Score	54
Exons	7186..7286, 7507..7540		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	46027	Seq. ID	OJ991119_09.0403.C5
Gene No.	97530	Strand	+
Start	1	End	127
Name	OJ991119_09.0403.C5.o1.np	Method	AAT/NAP
Start	1	End	127
GI	7340920	Score	159
Exons	1..127		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	46027	Seq. ID	OJ991119_09.0403.C5
Gene No.	97531	Strand	+
Start	233	End	5293
Name	OJ991119_09.0403.C5.o1.gs	Method	GENSCAN
Start	233	End	3216
GI	none	Score	.85
Exons	233..446, 1151..1196, 1835..1895, 2258..2497, 2677..3216		

Seq. No.	46027	Seq. ID	OJ991119_09.0403.C5
Gene No.	97531	Strand	+
Start	233	End	5293
Name	OJ991119_09.0403.C5.o2.np	Method	AAT/NAP
Start	1702	End	4782
GI	7106512	Score	2549
Exons	1702..1761, 1835..4354, 4409..4782		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46027	Seq. ID	OJ991119_09.0403.C5
Gene No.	97531	Strand	+
Start	233	End	5293
Name	OJ991119_09.0403.C5.o2.gs	Method	GENSCAN
Start	3823	End	5293
GI	none	Score	.84
Exons	3823..4362, 4409..4631, 4935..5293		

Seq. No.	46027	Seq. ID	OJ991119_09.0403.C5
Gene No.	97532	Strand	+
Start	6920	End	7843
Name	OJ991119_09.0403.C5.o4.np	Method	AAT/NAP
Start	6920	End	7843
GI	7444455	Score	87
Exons	6920..7027, 7370..7494, 7742..7843		
GI Descrip.	hypothetical protein M4I22.10 - Arabidopsis thaliana gi|3269281|emb|CAA19714.1| (AL030978) putative protein [Arabidopsis thaliana] gi|7269573|emb|CAB79575.1| (AL161566) putative protein [Arabidopsis thaliana]		

Seq. No.	46027	Seq. ID	OJ991119_09.0403.C5
Gene No.	97532	Strand	+
Start	6920	End	7843
Name	OJ991119_09.0403.C5.o3.np	Method	AAT/NAP
Start	7160	End	7843
GI	7106512	Score	137
Exons	7160..7219, 7293..7338, 7812..7843		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46027	Seq. ID	OJ991119_09.0403.C5
Gene No.	97533	Strand	-
Start	6742	End	7486
Name	OJ991119_09.0403.C5.o1.tm	Method	TBLASTX:Maize
Start	191	End	448
GI	none	Score	111
Exons	191..319, 296..448		

Seq. No.	46027	Seq. ID	OJ991119_09.0403.C5
Gene No.	97533	Strand	-
Start	6742	End	7486
Name	OJ991119_09.0403.C5.o1.tw	Method	TBLASTX:Wheat
Start	287	End	657
GI	none	Score	409
Exons	287..655, 315..527, 320..643, 412..657		

Seq. No.	46027	Seq. ID	OJ991119_09.0403.C5
Gene No.	97533	Strand	-
Start	6742	End	7486
Name	OJ991119_09.0403.C5.o2.tw	Method	TBLASTX:Wheat
Start	1007	End	1407
GI	none	Score	108
Exons	1007..1117, 1011..1118, 1144..1344, 1342..1407		

Seq. No.	46027	Seq. ID	OJ991119_09.0403.C5
Gene No.	97533	Strand	-
Start	6742	End	7486
Name	OJ991119_09.0403.C5.o1.ts	Method	TBLASTX:Soybean
Start	1107	End	1323
GI	none	Score	192
Exons	1107..1322, 1108..1323, 1138..1323		

Seq. No.	46027	Seq. ID	OJ991119_09.0403.C5
Gene No.	97533	Strand	-
Start	6742	End	7486
Name	OJ991119_09.0403.C5.o1.tc	Method	TBLASTX:Cress
Start	1129	End	7486
GI	none	Score	213
Exons	1129..1416, 1149..1325, 7346..7486		

Seq. No.	46027	Seq. ID	OJ991119_09.0403.C5
Gene No.	97533	Strand	-
Start	6742	End	7486
Name	OJ991119_09.0403.C5.o2.tm	Method	TBLASTX:Maize
Start	1135	End	1407
GI	none	Score	191
Exons	1135..1407		

Seq. No.	46027	Seq. ID	OJ991119_09.0403.C5
Gene No.	97533	Strand	-
Start	6742	End	7486
Name	OJ991119_09.0403.C5.o3.gs	Method	GENSCAN
Start	6742	End	7331
GI	none	Score	.42
Exons	6742..6851, 7232..7331		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97534	Strand	+
Start	1226	End	4454
Name	OJ991119_09.0403.C6.o1.gs	Method	GENSCAN
Start	1226	End	4454
GI	none	Score	.74
Exons	1226..1257, 1269..1455, 1491..2414, 2633..3230, 3305..3505, 3644..3757, 3829..3933, 4006..4454		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97535	Strand	+
Start	7629	End	12942
Name	OJ991119_09.0403.C6.o2.np	Method	AAT/NAP
Start	7629	End	12942
GI	7444442	Score	1597
Exons	7629..7662, 11399..12942		
GI Descrip.	gag/pol polyprotein - maize retrotransposon Hopscotch gi|531389|gb|AAA57005.1| (U12626) copia-like retrotransposon Hopscotch polyprotein [Zea mays]		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o11.tw	Method	TBLASTX:Wheat
Start	1650	End	1940
GI	none	Score	218
Exons	1650..1940		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o2.gs	Method	GENSCAN
Start	4770	End	5306
GI	none	Score	.8
Exons	4770..5306		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o5.tw	Method	TBLASTX:Wheat
Start	4782	End	5396
GI	none	Score	87
Exons	4782..4919, 4905..5063, 5118..5396, 5134..5241		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o1.np	Method	AAT/NAP
Start	4806	End	10880
GI	5922631	Score	6658
Exons	4806..7333, 7940..8863, 8990..9141, 9184..9755, 9801..10003, 10253..10497, 10756..10880		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o6.tm	Method	TBLASTX:Maize
Start	4819	End	5054
GI	none	Score	101

Exons	4819..4923, 4821..4922, 4902..5054		
Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o3.gs	Method	GENSCAN
Start	5415	End	10880
GI	none	Score	.91
Exons	5415..6539, 6771..7851, 7948..10880		
Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o4.tw	Method	TBLASTX:Wheat
Start	5511	End	5898
GI	none	Score	112
Exons	5511..5702, 5511..5897, 5587..5898		
Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o1.tm	Method	TBLASTX:Maize
Start	5541	End	5904
GI	none	Score	67
Exons	5541..5588, 5542..5589, 5569..5883, 5580..5903, 5593..5904		
Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o12.tw	Method	TBLASTX:Wheat
Start	5901	End	6200
GI	none	Score	130
Exons	5901..6041, 6066..6200		
Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o8.tm	Method	TBLASTX:Maize
Start	6132	End	6386
GI	none	Score	193
Exons	6132..6386		
Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o6.tw	Method	TBLASTX:Wheat
Start	6216	End	6638
GI	none	Score	256
Exons	6216..6638, 6226..6630		
Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o4.ts	Method	TBLASTX:Soybean
Start	6259	End	6647
GI	none	Score	159
Exons	6259..6639, 6261..6503, 6543..6647		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o10.tw	Method	TBLASTX:Wheat
Start	6642	End	6924
GI	none	Score	88
Exons	6642..6923, 6654..6914, 6847..6924		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o4.tm	Method	TBLASTX:Maize
Start	6762	End	7206
GI	none	Score	89
Exons	6762..6788, 6786..6929, 6799..6930, 6951..7205, 6951..7205, 6952..7206		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o3.ts	Method	TBLASTX:Soybean
Start	6873	End	7274
GI	none	Score	47
Exons	6873..7274, 6907..7077, 7114..7257		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o2.tw	Method	TBLASTX:Wheat
Start	6928	End	7352
GI	none	Score	295
Exons	6928..7308, 6928..7287, 6933..7352		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o3.tm	Method	TBLASTX:Maize
Start	7437	End	7793
GI	none	Score	218
Exons	7437..7793, 7447..7752		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o1.tw	Method	TBLASTX:Wheat
Start	7467	End	7923
GI	none	Score	266
Exons	7467..7922, 7468..7923		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o5.ts	Method	TBLASTX:Soybean
Start	7518	End	7883
GI	none	Score	139
Exons	7518..7652, 7659..7883		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o9.tm	Method	TBLASTX:Maize
Start	8114	End	8292
GI	none	Score	114
Exons	8114..8278, 8145..8291, 8146..8292		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o7.tw	Method	TBLASTX:Wheat
Start	8166	End	8567
GI	none	Score	190
Exons	8166..8567, 8185..8505		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97536	Strand	-
Start	4770	End	10880
Name	OJ991119_09.0403.C6.o9.tw	Method	TBLASTX:Wheat
Start	9177	End	9579
GI	none	Score	117
Exons	9177..9578, 9310..9579		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97537	Strand	
Start	11399	End	12932
Name	OJ991119_09.0403.C6.o2.ts	Method	TBLASTX:Soybean
Start	11399	End	11900
GI	5509260	Score	439
Exons	11399..11683, 11400..11900, 11723..11887		
GI Descrip.	-		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97537	Strand	
Start	11399	End	12932
Name	OJ991119_09.0403.C6.o7.tm	Method	TBLASTX:Maize
Start	11427	End	11693
GI	none	Score	210
Exons	11427..11693, 11435..11653		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97537	Strand	
Start	11399	End	12932
Name	OJ991119_09.0403.C6.o1.tc	Method	TBLASTX:Cress
Start	11514	End	11783
GI	none	Score	281
Exons	11514..11783, 11522..11782		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97537	Strand	
Start	11399	End	12932
Name	OJ991119_09.0403.C6.o8.tw	Method	TBLASTX:Wheat
Start	11564	End	12077
GI	none	Score	290
Exons	11564..11692, 11565..11909, 11717..11857, 11901..12077		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97537	Strand	
Start	11399	End	12932
Name	OJ991119_09.0403.C6.o2.tm	Method	TBLASTX:Maize
Start	11696	End	12143
GI	none	Score	386
Exons	11696..11938, 11697..12143, 12050..12097		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97537	Strand	
Start	11399	End	12932
Name	OJ991119_09.0403.C6.o2.tc	Method	TBLASTX:Cress
Start	11961	End	12212
GI	none	Score	210
Exons	11961..12212, 12023..12211		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97537	Strand	
Start	11399	End	12932
Name	OJ991119_09.0403.C6.o3.tw	Method	TBLASTX:Wheat
Start	12078	End	12515
GI	none	Score	445
Exons	12078..12515, 12083..12400, 12470..12514		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97537	Strand	
Start	11399	End	12932
Name	OJ991119_09.0403.C6.o5.tm	Method	TBLASTX:Maize
Start	12266	End	12932
GI	none	Score	288
Exons	12266..12409, 12267..12689, 12467..12616, 12679..12873, 12891..12932		

Seq. No.	46028	Seq. ID	OJ991119_09.0403.C6
Gene No.	97537	Strand	
Start	11399	End	12932
Name	OJ991119_09.0403.C6.o1.ts	Method	TBLASTX:Soybean
Start	12279	End	12882
GI	none	Score	361
Exons	12279..12671, 12281..12406, 12467..12670, 12685..12882, 12745..12792		

Seq. No.	46029	Seq. ID	OJ991119_09.0403.C7
Gene No.	97538	Strand	-
Start	1	End	758
Name	OJ991119_09.0403.C7.o1.np	Method	AAT/NAP
Start	1	End	758
GI	7076769	Score	778
Exons	1..758		
GI Descrip.	(AL138658) multi resistance protein homolog [Arabidopsis thaliana]		

Seq. No.	46029	Seq. ID	OJ991119_09.0403.C7
Gene No.	97538	Strand	-
Start	1	End	758
Name	OJ991119_09.0403.C7.o1.tc	Method	TBLASTX:Cress

Start	3	End	686
GI	none	Score	214
Exons	3..497, 10..477, 498..608, 510..686		

Seq. No.	46029	Seq. ID	OJ991119_09.0403.C7
Gene No.	97538	Strand	-
Start	1	End	758
Name	OJ991119_09.0403.C7.o1.tm	Method	TBLASTX:Maize
Start	12	End	398
GI	none	Score	102
Exons	12..398, 19..234, 295..336		

Seq. No.	46029	Seq. ID	OJ991119_09.0403.C7
Gene No.	97538	Strand	-
Start	1	End	758
Name	OJ991119_09.0403.C7.o1.gs	Method	GENSCAN
Start	86	End	608
GI	none	Score	.54
Exons	86..608		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97539	Strand	+
Start	1931	End	8037
Name	OJ991119_09.0403.C8.o1.gs	Method	GENSCAN
Start	1931	End	8037
GI	none	Score	.41
Exons	1931..2312, 6964..7728, 7967..8037		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97540	Strand	+
Start	10434	End	18561
Name	OJ991119_09.0403.C8.o2.gs	Method	GENSCAN
Start	10434	End	18561
GI	none	Score	.6
Exons	10434..11010, 11451..11534, 11565..11888, 11979..12182, 12915..12983, 14801..14881, 14962..15113, 15234..15545, 15777..15813, 15911..15977, 17005..17195, 17474..18561		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97541	Strand	+
Start	18787	End	19130
Name	OJ991119_09.0403.C8.o1.gp	Method	AAT/GAP
Start	18787	End	19130
GI	86158_1.R1084	Score	388
Exons	18787..18942, 18999..19130		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97542	Strand	+
Start	19515	End	19969
Name	OJ991119_09.0403.C8.o2.gp	Method	AAT/GAP
Start	19515	End	19969
GI	36280_1.R1084	Score	850
Exons	19515..19969		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to		

Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97543	Strand	+
Start	21663	End	22097
Name	OJ991119_09.0403.C8.o4.gp	Method	AAT/GAP
Start	21663	End	22097
GI	uC-osf1M2020118f01a1	Score	780
Exons	21663..22097		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97544	Strand	+
Start	28286	End	28700
Name	OJ991119_09.0403.C8.o7.gp	Method	AAT/GAP
Start	28286	End	28700
GI	LIB3431-060-P1-K1-C11	Score	773
Exons	28286..28700		
GI Descrip.	'2980641/emb|CAA72120| 2.0e-12 (Y11250) multi resistance protein [Arabidopsis thaliana]'		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97545	Strand	+
Start	29349	End	29553
Name	OJ991119_09.0403.C8.o8.gp	Method	AAT/GAP
Start	29349	End	29553
GI	LIB3431-060-P1-N1-C11	Score	383
Exons	29349..29553		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 1.0e-38 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97546	Strand	-
Start	19141	End	23945
Name	OJ991119_09.0403.C8.o2.np	Method	AAT/NAP
Start	19141	End	23945
GI	5295971	Score	8056
Exons	19141..23945		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97546	Strand	-
Start	19141	End	23945
Name	OJ991119_09.0403.C8.o3.gp	Method	AAT/GAP
Start	21299	End	21654
GI	uC-osf1cyp139c12a1	Score	585
Exons	21299..21654		
GI Descrip.	'5295971/dbj|BAA81872.1| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777)		

[Oryza sativa]'

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o4.ts	Method	TBLASTX:Soybean
Start	19165	End	19815
GI	none	Score	51
Exons	19165..19398, 19298..19384, 19453..19623, 19481..19639, 19654..19815		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o2.tc	Method	TBLASTX:Cress
Start	19174	End	19836
GI	none	Score	101
Exons	19174..19392, 19178..19384, 19459..19539, 19463..19540, 19549..19836, 19550..19639, 19664..19750		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o4.tm	Method	TBLASTX:Maize
Start	19175	End	19564
GI	none	Score	252
Exons	19175..19399, 19175..19561, 19177..19482, 19177..19563, 19293..19532, 19457..19564		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o4.tw	Method	TBLASTX:Wheat
Start	19204	End	19623
GI	none	Score	65
Exons	19204..19407, 19217..19384, 19453..19623, 19463..19540		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o9.tm	Method	TBLASTX:Maize
Start	19570	End	19749
GI	none	Score	122
Exons	19570..19749, 19571..19747		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o5.tw	Method	TBLASTX:Wheat
Start	19657	End	19968
GI	none	Score	64
Exons	19657..19836, 19861..19968		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o3.tm	Method	TBLASTX:Maize

Start	19751	End	20142
GI	none	Score	471
Exons	19751..20140, 19753..20142, 19753..20142		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o1.tw	Method	TBLASTX:Wheat
Start	19969	End	20524
GI	none	Score	66
Exons	19969..20193, 20179..20523, 20183..20368, 20203..20370, 20435..20524		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o3.ts	Method	TBLASTX:Soybean
Start	20194	End	20691
GI	5509260	Score	130
Exons	20194..20691, 20213..20371, 20435..20611		
GI Descrip.	-		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o4.tc	Method	TBLASTX:Cress
Start	20305	End	20569
GI	none	Score	91
Exons	20305..20568, 20438..20569		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o6.tm	Method	TBLASTX:Maize
Start	20344	End	20640
GI	none	Score	181
Exons	20344..20640, 20345..20614		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o2.ts	Method	TBLASTX:Soybean
Start	21142	End	21621
GI	none	Score	160
Exons	21142..21288, 21313..21621, 21326..21616		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o3.tc	Method	TBLASTX:Cress
Start	21166	End	21606
GI	none	Score	199
Exons	21166..21288, 21310..21606		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833

Name	OJ991119_09.0403.C8.o2.tm	Method	TBLASTX:Maize
Start	21226	End	21652
GI	none	Score	564
Exons	21226..21648, 21227..21652		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o3.tw	Method	TBLASTX:Wheat
Start	21304	End	21837
GI	none	Score	42
Exons	21304..21384, 21317..21388, 21391..21657, 21491..21640, 21724..21837		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o2.tw	Method	TBLASTX:Wheat
Start	21927	End	22380
GI	none	Score	39
Exons	21927..22007, 21928..22002, 21999..22376, 22014..22379, 22075..22380		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o8.tm	Method	TBLASTX:Maize
Start	22050	End	22290
GI	none	Score	262
Exons	22050..22289, 22051..22290		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	22305	End	23025
GI	none	Score	403
Exons	22305..22730, 22305..22670, 22406..22729, 22735..22767, 22737..22832, 22749..23024, 22750..23025		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o7.tm	Method	TBLASTX:Maize
Start	23259	End	23550
GI	none	Score	226
Exons	23259..23486, 23259..23549, 23335..23550		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o3.np	Method	AAT/NAP
Start	26815	End	29833
GI	7076769	Score	1636
Exons	26815..26935, 27023..27266, 27395..27454, 27736..28045, 28160..28374, 28506..28800, 28945..29061, 29224..29632, 29678..29833		

GI Descrip. (AL138658) multi resistance protein homolog [Arabidopsis thaliana]

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o1.ts	Method	TBLASTX:Soybean
Start	26818	End	28711
GI	none	Score	85
Exons	26818..26940, 27022..27267, 27023..27109, 27025..27267, 27402..27461, 27740..28051, 27741..28049, 28157..28312, 28157..28372, 28164..28367, 28179..28382, 28469..28711, 28471..28710		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o1.tc	Method	TBLASTX:Cress
Start	26848	End	29634
GI	none	Score	135
Exons	26848..26940, 27022..27267, 27025..27267, 27059..27274, 27740..28051, 27741..28037, 28157..28372, 28179..28373, 28469..28804, 28471..28806, 28910..29059, 28942..29058, 29218..29400, 29222..29311, 29395..29613, 29408..29581, 29458..29634		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o5.tm	Method	TBLASTX:Maize
Start	26860	End	29397
GI	none	Score	65
Exons	26860..26940, 27022..27267, 27031..27264, 27197..27271, 27737..28051, 27738..28043, 27740..28048, 28157..28375, 28507..28806, 28595..28813, 28897..28956, 29218..29397		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o6.tw	Method	TBLASTX:Wheat
Start	27089	End	27892
GI	none	Score	82
Exons	27089..27235, 27091..27249, 27091..27267, 27215..27271, 27740..27892, 27741..27887		

Seq. No.	46030	Seq. ID	OJ991119_09.0403.C8
Gene No.	97547	Strand	-
Start	26815	End	29833
Name	OJ991119_09.0403.C8.o5.ts	Method	TBLASTX:Soybean
Start	28717	End	29657
GI	none	Score	80
Exons	28717..28806, 28939..29058, 29218..29412, 29222..29377, 29416..29613, 29458..29577, 29589..29657		

Seq. No.	46031	Seq. ID	OJ991119_09.0403.C9
Gene No.	97548	Strand	-
Start	1	End	1285

Name	OJ991119_09.0403.C9.o1.np	Method	AAT/NAP
Start	1	End	1285
GI	7076769	Score	1269
Exons	1..1285		
GI Descrip.	(AL138658) multi resistance protein homolog [Arabidopsis thaliana]		

Seq. No.	46031	Seq. ID	OJ991119_09.0403.C9
Gene No.	97548	Strand	-
Start	1	End	1285
Name	OJ991119_09.0403.C9.o1.gs	Method	GENSCAN
Start	65	End	1210
GI	none	Score	.48
Exons	65..1210		

Seq. No.	46031	Seq. ID	OJ991119_09.0403.C9
Gene No.	97548	Strand	-
Start	1	End	1285
Name	OJ991119_09.0403.C9.o1.tc	Method	TBLASTX:Cress
Start	114	End	1282
GI	none	Score	110
Exons	114..233, 122..1282, 131..565, 285..575, 684..1190, 1148..1276		

Seq. No.	46031	Seq. ID	OJ991119_09.0403.C9
Gene No.	97548	Strand	-
Start	1	End	1285
Name	OJ991119_09.0403.C9.o1.tm	Method	TBLASTX:Maize
Start	114	End	373
GI	none	Score	91
Exons	114..245, 118..246, 120..230, 122..373, 137..373		

Seq. No.	46031	Seq. ID	OJ991119_09.0403.C9
Gene No.	97548	Strand	-
Start	1	End	1285
Name	OJ991119_09.0403.C9.o1.ts	Method	TBLASTX:Soybean
Start	161	End	520
GI	none	Score	90
Exons	161..322, 161..520, 211..417, 288..518, 395..520		

Seq. No.	46031	Seq. ID	OJ991119_09.0403.C9
Gene No.	97548	Strand	-
Start	1	End	1285
Name	OJ991119_09.0403.C9.o3.tm	Method	TBLASTX:Maize
Start	413	End	631
GI	none	Score	123
Exons	413..631, 414..539		

Seq. No.	46031	Seq. ID	OJ991119_09.0403.C9
Gene No.	97548	Strand	-
Start	1	End	1285
Name	OJ991119_09.0403.C9.o2.ts	Method	TBLASTX:Soybean
Start	854	End	1249
GI	none	Score	73
Exons	854..1249, 867..1151		

Seq. No.	46031	Seq. ID	OJ991119_09.0403.C9
Gene No.	97548	Strand	-

Start	1	End	1285
Name	OJ991119_09.0403.C9.o2.tm	Method	TBLASTX:Maize
Start	924	End	1285
GI	none	Score	93
Exons	924..1169, 932..1285		

Seq. No.	46032	Seq. ID	OJ991119_09.0403.C10
Gene No.	97549	Strand	+
Start	236	End	1373
Name	OJ991119_09.0403.C10.o1.gs	Method	GENSCAN
Start	236	End	1373
GI	none	Score	.88
Exons	236..413, 1248..1373		

Seq. No.	46032	Seq. ID	OJ991119_09.0403.C10
Gene No.	97550	Strand	+
Start	3029	End	5767
Name	OJ991119_09.0403.C10.o2.gs	Method	GENSCAN
Start	3029	End	5767
GI	none	Score	.4
Exons	3029..3046, 3990..4190, 5478..5642, 5705..5767		

Seq. No.	46032	Seq. ID	OJ991119_09.0403.C10
Gene No.	97551	Strand	-
Start	6170	End	10693
Name	OJ991119_09.0403.C10.o1.ts	Method	TBLASTX:Soybean
Start	6140	End	8399
GI	none	Score	198
Exons	6140..6274, 6344..6604, 6345..6596, 6699..6761, 6700..6753, 7077..7409, 7089..7397, 7090..7410, 7144..7410, 7881..8045, 7884..8114, 7891..8100, 8194..8325, 8195..8329, 8198..8320, 8331..8399		

Seq. No.	46032	Seq. ID	OJ991119_09.0403.C10
Gene No.	97551	Strand	-
Start	6170	End	10693
Name	OJ991119_09.0403.C10.o1.np	Method	AAT/NAP
Start	6149	End	10693
GI	7076769	Score	2975
Exons	6149..6273, 6349..6588, 6695..6758, 7089..7394, 7887..8101, 8196..8489, 8721..8837, 8930..9405, 9442..9595, 9680..9766, 9957..10693		
GI Descrip.	(AL138658) multi resistance protein homolog [Arabidopsis thaliana]		

Seq. No.	46032	Seq. ID	OJ991119_09.0403.C10
Gene No.	97551	Strand	-
Start	6170	End	10693
Name	OJ991119_09.0403.C10.o3.gs	Method	GENSCAN
Start	6170	End	10661
GI	none	Score	.71
Exons	6170..6273, 6349..6588, 6695..6758, 7089..7394, 7887..8054, 8673..8837, 9188..9595, 9680..9766, 9957..10661		

Seq. No.	46032	Seq. ID	OJ991119_09.0403.C10
Gene No.	97551	Strand	-
Start	6170	End	10693

Name	OJ991119_09.0403.C10.o1.tc	Method	TBLASTX:Cress
Start	6182	End	10692
GI	none	Score	154
Exons	6182..6274, 6267..6623, 6347..6625, 6688..6753, 6696..6761, 7077..7400, 7105..7395, 7884..8114, 7912..8097, 8248..8304, 8307..8492, 8668..8838, 8673..8840, 8918..9376, 8919..9311, 9464..9595, 9677..9772, 9678..9767, 9928..10692, 9957..10676		

Seq. No.	46032	Seq. ID	OJ991119_09.0403.C10
Gene No.	97551	Strand	-
Start	6170	End	10693
Name	OJ991119_09.0403.C10.o1.tm	Method	TBLASTX:Maize
Start	6182	End	8840
GI	none	Score	168
Exons	6182..6274, 6303..6590, 6344..6604, 6699..6761, 6703..6756, 7077..7400, 7088..7405, 7089..7397, 7090..7407, 7855..8043, 7884..8111, 8194..8325, 8198..8323, 8331..8495, 8673..8840, 8692..8835		

Seq. No.	46032	Seq. ID	OJ991119_09.0403.C10
Gene No.	97551	Strand	-
Start	6170	End	10693
Name	OJ991119_09.0403.C10.o1.tw	Method	TBLASTX:Wheat
Start	6411	End	10103
GI	none	Score	84
Exons	6411..6593, 6413..6589, 7077..7241, 7090..7245, 9957..10103		

Seq. No.	46032	Seq. ID	OJ991119_09.0403.C10
Gene No.	97551	Strand	-
Start	6170	End	10693
Name	OJ991119_09.0403.C10.o2.ts	Method	TBLASTX:Soybean
Start	8403	End	9334
GI	none	Score	96
Exons	8403..8495, 8673..8849, 8683..8835, 8918..9334, 8919..9311		

Seq. No.	46032	Seq. ID	OJ991119_09.0403.C10
Gene No.	97551	Strand	-
Start	6170	End	10693
Name	OJ991119_09.0403.C10.o2.tm	Method	TBLASTX:Maize
Start	8918	End	9331
GI	none	Score	160
Exons	8918..9331, 8919..9311		

Seq. No.	46032	Seq. ID	OJ991119_09.0403.C10
Gene No.	97551	Strand	-
Start	6170	End	10693
Name	OJ991119_09.0403.C10.o3.tm	Method	TBLASTX:Maize
Start	9949	End	10208
GI	none	Score	84
Exons	9949..10098, 9950..10138, 9955..10065, 9957..10208, 9957..10208		

Seq. No.	46032	Seq. ID	OJ991119_09.0403.C10
Gene No.	97551	Strand	-
Start	6170	End	10693
Name	OJ991119_09.0403.C10.o3.ts	Method	TBLASTX:Soybean
Start	9995	End	10355
GI	none	Score	142

Exons	9995..10339, 9996..10310, 9996..10355, 9997..10350		
Seq. No.	46032	Seq. ID	OJ991119_09.0403.C10
Gene No.	97551	Strand	-
Start	6170	End	10693
Name	OJ991119_09.0403.C10.o4.tm	Method	TBLASTX:Maize
Start	10248	End	10619
GI	none	Score	139
Exons	10248..10463, 10249..10407, 10503..10619		
Seq. No.	46033	Seq. ID	OJ991119_09.0403.C11
Gene No.	97552	Strand	+
Start	3554	End	4522
Name	OJ991119_09.0403.C11.o1.np	Method	AAT/NAP
Start	3554	End	4522
GI	6907106	Score	927
Exons	3554..3799, 3886..4264, 4299..4522		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	46033	Seq. ID	OJ991119_09.0403.C11
Gene No.	97553	Strand	-
Start	4982	End	6248
Name	OJ991119_09.0403.C11.o2.gs	Method	GENSCAN
Start	4982	End	6248
GI	none	Score	.79
Exons	4982..5239, 5956..6043, 6241..6248		
Seq. No.	46033	Seq. ID	OJ991119_09.0403.C11
Gene No.	97554	Strand	-
Start	8162	End	9470
Name	OJ991119_09.0403.C11.o1.tm	Method	TBLASTX:Maize
Start	4113	End	4425
GI	none	Score	131
Exons	4113..4220, 4115..4276, 4141..4224, 4150..4266, 4167..4214, 4217..4276, 4217..4282, 4243..4278, 4292..4357, 4293..4424, 4370..4423, 4378..4425		
Seq. No.	46033	Seq. ID	OJ991119_09.0403.C11
Gene No.	97554	Strand	-
Start	8162	End	9470
Name	OJ991119_09.0403.C11.o3.gs	Method	GENSCAN
Start	8162	End	9470
GI	none	Score	.68
Exons	8162..8257, 9375..9470		
Seq. No.	46034	Seq. ID	OJ991119_09.0403.C12
Gene No.	97555	Strand	-
Start	489	End	3741
Name	OJ991119_09.0403.C12.o1.np	Method	AAT/NAP
Start	489	End	3741
GI	7488023	Score	1316
Exons	489..516, 2057..3741		
GI Descrip.	polynucleotide adenylyltransferase homolog T16I18.60 - Arabidopsis thaliana gi|7270232|emb|CAB80002.1| (AL161582) putative poly(A) polymerase [Arabidopsis thaliana]		

Seq. No.	46034	Seq. ID	OJ991119_09.0403.C12
Gene No.	97555	Strand	-
Start	489	End	3741
Name	OJ991119_09.0403.C12.o2.gs	Method	GENSCAN
Start	2038	End	3708
GI	none	Score	1
Exons	2038..3708		

Seq. No.	46034	Seq. ID	OJ991119_09.0403.C12
Gene No.	97556	Strand	-
Start	4778	End	9333
Name	OJ991119_09.0403.C12.o3.ts	Method	TBLASTX:Soybean
Start	3475	End	3699
GI	none	Score	82
Exons	3475..3699, 3496..3681		

Seq. No.	46034	Seq. ID	OJ991119_09.0403.C12
Gene No.	97556	Strand	-
Start	4778	End	9333
Name	OJ991119_09.0403.C12.o2.np	Method	AAT/NAP
Start	4749	End	9333
GI	7485995	Score	1105
Exons	4749..4933, 5253..5372, 5806..5940, 6619..6755, 6879..6971, 7064..7141, 7340..7491, 7567..7636, 7820..7987, 8073..8177, 8262..8334, 8433..8554, 8640..8714, 9267..9333		
GI Descrip.	hypothetical protein F22O13.35 - Arabidopsis thaliana gi|3063473|gb|AAC14061.1| (AC003981) F22O13.35 [Arabidopsis thaliana]		

Seq. No.	46034	Seq. ID	OJ991119_09.0403.C12
Gene No.	97556	Strand	-
Start	4778	End	9333
Name	OJ991119_09.0403.C12.o3.gs	Method	GENSCAN
Start	4778	End	7491
GI	none	Score	.73
Exons	4778..4939, 5253..5372, 5806..5940, 6619..6755, 6950..6971, 7340..7491		

Seq. No.	46034	Seq. ID	OJ991119_09.0403.C12
Gene No.	97556	Strand	-
Start	4778	End	9333
Name	OJ991119_09.0403.C12.o3.tm	Method	TBLASTX:Maize
Start	6720	End	7454
GI	none	Score	68
Exons	6720..6755, 6880..6966, 6881..6970, 6881..6967, 6882..6971, 6883..6972, 6888..6974, 7064..7135, 7066..7146, 7067..7141, 7304..7453, 7309..7425, 7311..7454		

Seq. No.	46035	Seq. ID	OJ991119_09.0403.C14
Gene No.	97557	Strand	+
Start	1	End	726
Name	OJ991119_09.0403.C14.o1.np	Method	AAT/NAP
Start	1	End	726
GI	7106512	Score	1032
Exons	1..726		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46035	Seq. ID	OJ991119_09.0403.C14
Gene No.	97557	Strand	+
Start	1	End	726
Name	OJ991119_09.0403.C14.o1.gs	Method	GENSCAN
Start	5	End	511
GI	none	Score	.82
Exons	5..511		

Seq. No.	46036	Seq. ID	OJ991119_09.0403.C15
Gene No.	97558	Strand	-
Start	1	End	781
Name	OJ991119_09.0403.C15.o1.np	Method	AAT/NAP
Start	1	End	781
GI	5091513	Score	1260
Exons	1..781		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	46036	Seq. ID	OJ991119_09.0403.C15
Gene No.	97558	Strand	-
Start	1	End	781
Name	OJ991119_09.0403.C15.o1.gs	Method	GENSCAN
Start	11	End	694
GI	none	Score	.94
Exons	11..694		

Seq. No.	46037	Seq. ID	OJ991119_09.0403.C16
Gene No.	97559	Strand	-
Start	1	End	963
Name	OJ991119_09.0403.C16.o1.np	Method	AAT/NAP
Start	1	End	959
GI	7106512	Score	1384
Exons	1..959		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46037	Seq. ID	OJ991119_09.0403.C16
Gene No.	97559	Strand	-
Start	1	End	963
Name	OJ991119_09.0403.C16.o1.gs	Method	GENSCAN
Start	50	End	963
GI	none	Score	.55
Exons	50..963		

Seq. No.	46038	Seq. ID	OJ991119_09.0403.C17
Gene No.	97560	Strand	-
Start	1	End	902
Name	OJ991119_09.0403.C17.o1.np	Method	AAT/NAP
Start	1	End	902
GI	5091513	Score	1163
Exons	1..902		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	46038	Seq. ID	OJ991119_09.0403.C17
Gene No.	97560	Strand	-
Start	1	End	902
Name	OJ991119_09.0403.C17.o1.gs	Method	GENSCAN

Start	36	End	809
GI	none	Score	.5
Exons	36..390, 562..809		

Seq. No.	46039	Seq. ID	OJ991109_01.0410.C1
Gene No.	97561	Strand	
Start	534	End	750
Name	OJ991109_01.0410.C1.o1.tm	Method	TBLASTX:Maize
Start	534	End	750
GI	none	Score	94
Exons	534..596, 536..595, 661..750,	662..748	

Seq. No.	46039	Seq. ID	OJ991109_01.0410.C1
Gene No.	97561	Strand	
Start	534	End	750
Name	OJ991109_01.0410.C1.o1.ts	Method	TBLASTX:Soybean
Start	536	End	750
GI	5057448	Score	80
Exons	536..595, 536..595, 661..750,	661..747	
GI Descrip.	4220532/emb_CAA23005_ 2.0e-11 (AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	46040	Seq. ID	OJ991109_01.0410.C2
Gene No.	97562	Strand	+
Start	1	End	303
Name	OJ991109_01.0410.C2.o1.np	Method	AAT/NAP
Start	1	End	303
GI	7339707	Score	43
Exons	1..59, 153..303		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	46041	Seq. ID	OJ991109_01.0410.C8
Gene No.	97563	Strand	+
Start	756	End	5824
Name	OJ991109_01.0410.C8.o1.gs	Method	GENSCAN
Start	756	End	5824
GI	none	Score	.69
Exons	756..917, 1957..2157, 2214..2345, 2469..2543, 3336..3397, 4323..4470, 4719..5076, 5200..5400, 5517..5824		

Seq. No.	46041	Seq. ID	OJ991109_01.0410.C8
Gene No.	97564	Strand	-
Start	806	End	2370
Name	OJ991109_01.0410.C8.o1.np	Method	AAT/NAP
Start	806	End	2370
GI	81286	Score	85
Exons	806..876, 2041..2107, 2191..2370		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	46041	Seq. ID	OJ991109_01.0410.C8
Gene No.	97565	Strand	-
Start	7444	End	7650
Name	OJ991109_01.0410.C8.o2.gs	Method	GENSCAN
Start	7444	End	7650
GI	none	Score	.98
Exons	7444..7650		

Seq. No.	46042	Seq. ID	OJ991109_01.0410.C9
Gene No.	97566	Strand	+
Start	4399	End	5395
Name	OJ991109_01.0410.C9.o1.gs	Method	GENSCAN
Start	4399	End	5395
GI	none	Score	.45
Exons	4399..4560, 5351..5395		

Seq. No.	46042	Seq. ID	OJ991109_01.0410.C9
Gene No.	97567	Strand	+
Start	5514	End	6126
Name	OJ991109_01.0410.C9.o1.np	Method	AAT/NAP
Start	5514	End	6126
GI	7228450	Score	198
Exons	5514..5607, 5740..5867, 5953..6031, 6092..6126		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	46042	Seq. ID	OJ991109_01.0410.C9
Gene No.	97568	Strand	+
Start	6925	End	11917
Name	OJ991109_01.0410.C9.o2.np	Method	AAT/NAP
Start	6925	End	11917
GI	7339707	Score	56
Exons	6925..7030, 11095..11326, 11899..11917		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	46042	Seq. ID	OJ991109_01.0410.C9
Gene No.	97568	Strand	+
Start	6925	End	11917
Name	OJ991109_01.0410.C9.o1.gp	Method	AAT/GAP
Start	8642	End	9126
GI	287149	Score	543
Exons	8642..8812, 8970..9126		
GI Descrip.	6041757/gb|AC011806.1|AC011806 1.0e-38 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	46042	Seq. ID	OJ991109_01.0410.C9
Gene No.	97569	Strand	-
Start	6102	End	6359
Name	OJ991109_01.0410.C9.o2.gs	Method	GENSCAN
Start	6102	End	6359
GI	none	Score	.68
Exons	6102..6359		

Seq. No.	46042	Seq. ID	OJ991109_01.0410.C9
Gene No.	97570	Strand	-
Start	9444	End	10886
Name	OJ991109_01.0410.C9.o3.gs	Method	GENSCAN
Start	9444	End	10886
GI	none	Score	.67
Exons	9444..9550, 10158..10213, 10810..10886		

Seq. No.	46042	Seq. ID	OJ991109_01.0410.C9
Gene No.	97571	Strand	-
Start	10791	End	11181

Name	OJ991109_01.0410.C9.o2.gp	Method	AAT/GAP
Start	10791	End	11181
GI	2310840	Score	665
Exons	10791..11181		

Seq. No.	46043	Seq. ID	OJ991109_01.0410.C10
Gene No.	97572	Strand	+
Start	208	End	310
Name	OJ991109_01.0410.C10.o1.gs	Method	GENSCAN
Start	208	End	310
GI	none	Score	.91
Exons	208..310		

Seq. No.	46044	Seq. ID	OJ991109_01.0410.C11
Gene No.	97573	Strand	-
Start	3414	End	4253
Name	OJ991109_01.0410.C11.o2.gs	Method	GENSCAN
Start	3414	End	4253
GI	none	Score	.62
Exons	3414..3424, 3769..3920, 4087..4253		

Seq. No.	46044	Seq. ID	OJ991109_01.0410.C11
Gene No.	97574	Strand	-
Start	5728	End	8927
Name	OJ991109_01.0410.C11.o1.np	Method	AAT/NAP
Start	5728	End	8927
GI	5902444	Score	771
Exons	5728..5748, 7288..8488, 8573..8927		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	46044	Seq. ID	OJ991109_01.0410.C11
Gene No.	97574	Strand	-
Start	5728	End	8927
Name	OJ991109_01.0410.C11.o1.gp	Method	AAT/GAP
Start	6189	End	6613
GI	LIB3479-006-Q6-K1-B11	Score	579
Exons	6189..6613		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	46044	Seq. ID	OJ991109_01.0410.C11
Gene No.	97574	Strand	-
Start	5728	End	8927
Name	OJ991109_01.0410.C11.o3.gs	Method	GENSCAN
Start	7431	End	8864
GI	none	Score	.88
Exons	7431..8864		

Seq. No.	46044	Seq. ID	OJ991109_01.0410.C11
Gene No.	97574	Strand	-
Start	5728	End	8927
Name	OJ991109_01.0410.C11.o1.tw	Method	TBLASTX:Wheat
Start	7941	End	8334
GI	none	Score	107
Exons	7941..8333, 8035..8334		

Seq. No.	46045	Seq. ID	OJ991109_01.0410.C12

Gene No.	97575	Strand	-
Start	41	End	3106
Name	OJ991109_01.0410.C12.o1.gs	Method	GENSCAN
Start	41	End	3106
GI	none	Score	.5
Exons	41..157, 184..236, 1739..2269, 2467..3106		

Seq. No.	46045	Seq. ID	OJ991109_01.0410.C12
Gene No.	97575	Strand	-
Start	41	End	3106
Name	OJ991109_01.0410.C12.o1.tw	Method	TBLASTX:Wheat
Start	2351	End	2558
GI	none	Score	149
Exons	2351..2557, 2376..2558		

Seq. No.	46046	Seq. ID	OJ991109_01.0410.C13
Gene No.	97576	Strand	+
Start	801	End	2996
Name	OJ991109_01.0410.C13.o1.gs	Method	GENSCAN
Start	801	End	2732
GI	none	Score	.7
Exons	801..2365, 2586..2732		

Seq. No.	46046	Seq. ID	OJ991109_01.0410.C13
Gene No.	97576	Strand	+
Start	801	End	2996
Name	OJ991109_01.0410.C13.o4.np	Method	AAT/NAP
Start	2583	End	2996
GI	7489803	Score	354
Exons	2583..2996		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	46046	Seq. ID	OJ991109_01.0410.C13
Gene No.	97577	Strand	-
Start	1	End	2924
Name	OJ991109_01.0410.C13.o1.np	Method	AAT/NAP
Start	1	End	1693
GI	6721516	Score	350
Exons	1..317, 1559..1693		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	46046	Seq. ID	OJ991109_01.0410.C13
Gene No.	97577	Strand	-
Start	1	End	2924
Name	OJ991109_01.0410.C13.o1.ts	Method	TBLASTX:Soybean
Start	573	End	2753
GI	none	Score	83
Exons	573..695, 758..1090, 1181..1318, 1400..1447, 2501..2563, 2613..2678, 2703..2753		

Seq. No.	46046	Seq. ID	OJ991109_01.0410.C13
Gene No.	97577	Strand	-
Start	1	End	2924
Name	OJ991109_01.0410.C13.o1.tm	Method	TBLASTX:Maize
Start	2473	End	2855

GI	none	Score	94
Exons	2473..2565, 2474..2563, 2592..2855, 2603..2668, 2696..2824		

Seq. No.	46046	Seq. ID	OJ991109_01.0410.C13
Gene No.	97577	Strand	-
Start	1	End	2924
Name	OJ991109_01.0410.C13.o1.tw	Method	TBLASTX:Wheat
Start	2607	End	2924
GI	none	Score	225
Exons	2607..2924, 2621..2842		

Seq. No.	46047	Seq. ID	OJ991109_01.0410.C14
Gene No.	97578	Strand	+
Start	1	End	1390
Name	OJ991109_01.0410.C14.o1.np	Method	AAT/NAP
Start	1	End	1390
GI	4416302	Score	1383
Exons	1..1390		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	46047	Seq. ID	OJ991109_01.0410.C14
Gene No.	97578	Strand	+
Start	1	End	1390
Name	OJ991109_01.0410.C14.o2.tw	Method	TBLASTX:Wheat
Start	10	End	375
GI	none	Score	64
Exons	10..57, 97..375, 204..374		

Seq. No.	46047	Seq. ID	OJ991109_01.0410.C14
Gene No.	97578	Strand	+
Start	1	End	1390
Name	OJ991109_01.0410.C14.o1.tm	Method	TBLASTX:Maize
Start	46	End	906
GI	none	Score	94
Exons	46..117, 53..118, 117..695, 118..735, 744..845, 748..906		

Seq. No.	46047	Seq. ID	OJ991109_01.0410.C14
Gene No.	97578	Strand	+
Start	1	End	1390
Name	OJ991109_01.0410.C14.o1.gs	Method	GENSCAN
Start	112	End	1381
GI	none	Score	.55
Exons	112..1381		

Seq. No.	46047	Seq. ID	OJ991109_01.0410.C14
Gene No.	97578	Strand	+
Start	1	End	1390
Name	OJ991109_01.0410.C14.o2.ts	Method	TBLASTX:Soybean
Start	226	End	636
GI	none	Score	322
Exons	226..636, 255..416, 483..569		

Seq. No.	46047	Seq. ID	OJ991109_01.0410.C14
Gene No.	97578	Strand	+
Start	1	End	1390
Name	OJ991109_01.0410.C14.o1.tc	Method	TBLASTX:Cress
Start	268	End	684

GI	none	Score	193
Exons	268..684		

Seq. No.	46047	Seq. ID	OJ991109_01.0410.C14
Gene No.	97578	Strand	+
Start	1	End	1390
Name	OJ991109_01.0410.C14.o3.tw	Method	TBLASTX:Wheat
Start	469	End	810
GI	none	Score	100
Exons	469..546, 553..699, 591..695, 721..810, 747..800		

Seq. No.	46047	Seq. ID	OJ991109_01.0410.C14
Gene No.	97578	Strand	+
Start	1	End	1390
Name	OJ991109_01.0410.C14.o2.tm	Method	TBLASTX:Maize
Start	907	End	1220
GI	none	Score	284
Exons	907..1155, 927..1154, 1144..1218, 1146..1220		

Seq. No.	46047	Seq. ID	OJ991109_01.0410.C14
Gene No.	97578	Strand	+
Start	1	End	1390
Name	OJ991109_01.0410.C14.o1.ts	Method	TBLASTX:Soybean
Start	922	End	1390
GI	5509260	Score	520
Exons	922..1389, 1015..1314, 1017..1388, 1343..1390		
GI Descrip.	-		

Seq. No.	46047	Seq. ID	OJ991109_01.0410.C14
Gene No.	97578	Strand	+
Start	1	End	1390
Name	OJ991109_01.0410.C14.o1.tw	Method	TBLASTX:Wheat
Start	1051	End	1389
GI	none	Score	83
Exons	1051..1140, 1147..1173, 1164..1385, 1174..1389, 1182..1382		

Seq. No.	46047	Seq. ID	OJ991109_01.0410.C14
Gene No.	97578	Strand	+
Start	1	End	1390
Name	OJ991109_01.0410.C14.o2.tc	Method	TBLASTX:Cress
Start	1143	End	1389
GI	none	Score	179
Exons	1143..1289, 1144..1389, 1189..1326		

Seq. No.	46047	Seq. ID	OJ991109_01.0410.C14
Gene No.	97578	Strand	+
Start	1	End	1390
Name	OJ991109_01.0410.C14.o3.tm	Method	TBLASTX:Maize
Start	1228	End	1389
GI	none	Score	195
Exons	1228..1389, 1248..1388		

Seq. No.	46048	Seq. ID	OJ991109_01.0410.C15
Gene No.	97579	Strand	+
Start	1	End	643
Name	OJ991109_01.0410.C15.o1.np	Method	AAT/NAP
Start	1	End	640

GI	6630685	Score	894
Exons	1..640		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	46048	Seq. ID	OJ991109_01.0410.C15
Gene No.	97579	Strand	+
Start	1	End	643
Name	OJ991109_01.0410.C15.o1.gs	Method	GENSCAN
Start	153	End	643
GI	none	Score	.71
Exons	153..643		

Seq. No.	46048	Seq. ID	OJ991109_01.0410.C15
Gene No.	97580	Strand	-
Start	1331	End	1537
Name	OJ991109_01.0410.C15.o1.ts	Method	TBLASTX:Soybean
Start	1	End	625
GI	none	Score	285
Exons	1..360, 2..367, 2..367, 401..625, 430..576		

Seq. No.	46048	Seq. ID	OJ991109_01.0410.C15
Gene No.	97580	Strand	-
Start	1331	End	1537
Name	OJ991109_01.0410.C15.o1.tm	Method	TBLASTX:Maize
Start	2	End	723
GI	none	Score	846
Exons	2..637, 16..651, 540..653, 552..662, 694..723		

Seq. No.	46048	Seq. ID	OJ991109_01.0410.C15
Gene No.	97580	Strand	-
Start	1331	End	1537
Name	OJ991109_01.0410.C15.o1.tc	Method	TBLASTX:Cress
Start	164	End	622
GI	none	Score	69
Exons	164..253, 257..391, 395..622		

Seq. No.	46048	Seq. ID	OJ991109_01.0410.C15
Gene No.	97580	Strand	-
Start	1331	End	1537
Name	OJ991109_01.0410.C15.o1.tw	Method	TBLASTX:Wheat
Start	173	End	589
GI	none	Score	117
Exons	173..382, 277..378, 401..589, 458..577		

Seq. No.	46048	Seq. ID	OJ991109_01.0410.C15
Gene No.	97580	Strand	-
Start	1331	End	1537
Name	OJ991109_01.0410.C15.o2.gs	Method	GENSCAN
Start	1331	End	1537
GI	none	Score	.75
Exons	1331..1537		

Seq. No.	46049	Seq. ID	OJ991109_01.0410.C16
Gene No.	97581	Strand	+
Start	227	End	2787
Name	OJ991109_01.0410.C16.o1.gs	Method	GENSCAN

Start	227	End	2787
GI	none	Score	.5
Exons	227..1548, 2305..2383, 2693..2787		

Seq. No.	46049	Seq. ID	OJ991109_01.0410.C16
Gene No.	97582	Strand	-
Start	1	End	3574
Name	OJ991109_01.0410.C16.o1.np	Method	AAT/NAP
Start	1	End	3574
GI	6721516	Score	574
Exons	1..140, 2579..2922, 3333..3574		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	46050	Seq. ID	OJ991109_01.0410.C17
Gene No.	97583	Strand	+
Start	963	End	5534
Name	OJ991109_01.0410.C17.o1.gs	Method	GENSCAN
Start	963	End	5534
GI	none	Score	.48
Exons	963..1098, 2322..2393, 2960..3097, 3345..3484, 5465..5534		

Seq. No.	46050	Seq. ID	OJ991109_01.0410.C17
Gene No.	97584	Strand	+
Start	8930	End	12450
Name	OJ991109_01.0410.C17.o2.np	Method	AAT/NAP
Start	8930	End	12450
GI	7485968	Score	123
Exons	8930..9094, 10827..10874, 11612..11692, 12431..12450		
GI Descrip.	hypothetical protein F22K18.220 - Arabidopsis thaliana gi|4220532|emb|CAA23005.1| (AL035356) putative protein [Arabidopsis thaliana] gi|7269308|emb|CAB79368.1| (AL161561) putative protein [Arabidopsis thaliana]		

Seq. No.	46050	Seq. ID	OJ991109_01.0410.C17
Gene No.	97585	Strand	-
Start	2735	End	4148
Name	OJ991109_01.0410.C17.o1.tm	Method	TBLASTX:Maize
Start	959	End	4063
GI	none	Score	115
Exons	959..1099, 964..1101, 964..1095, 966..1112, 966..1097, 974..1114, 2960..3097, 2960..3103, 2962..3105, 2964..3104, 3328..3441, 3345..3485, 3356..3433, 3986..4063		

Seq. No.	46050	Seq. ID	OJ991109_01.0410.C17
Gene No.	97585	Strand	-
Start	2735	End	4148
Name	OJ991109_01.0410.C17.o1.np	Method	AAT/NAP
Start	2735	End	4148
GI	2160181	Score	114
Exons	2735..2771, 2958..3116, 3302..3504, 3975..4148		
GI Descrip.	(AC000132) EST gb|ATTS2829 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	46051	Seq. ID	OJ991109_01.0410.C18
Gene No.	97586	Strand	+
Start	1	End	3889
Name	OJ991109_01.0410.C18.o1.np	Method	AAT/NAP

Start	1	End	2650
GI	7485968	Score	632
Exons	1..170, 266..385, 491..568, 887..931, 1385..1463, 1959..2228, 2443..2650		
GI Descrip.	hypothetical protein F22K18.220 - Arabidopsis thaliana gi|4220532|emb|CAA23005.1| (AL035356) putative protein [Arabidopsis thaliana] gi|7269308|emb|CAB79368.1| (AL161561) putative protein [Arabidopsis thaliana]		

Seq. No.	46051	Seq. ID	OJ991109_01.0410.C18
Gene No.	97586	Strand	+
Start	1	End	3889
Name	OJ991109_01.0410.C18.o1.gs	Method	GENSCAN
Start	5	End	3880
GI	none	Score	.96
Exons	5..173, 266..385, 491..568, 707..762, 856..925, 1376..1463, 1959..2202, 2443..2670, 3554..3880		

Seq. No.	46051	Seq. ID	OJ991109_01.0410.C18
Gene No.	97586	Strand	+
Start	1	End	3889
Name	OJ991109_01.0410.C18.o1.ts	Method	TBLASTX:Soybean
Start	29	End	372
GI	none	Score	168
Exons	29..163, 31..159, 267..371, 267..371, 268..372		

Seq. No.	46051	Seq. ID	OJ991109_01.0410.C18
Gene No.	97586	Strand	+
Start	1	End	3889
Name	OJ991109_01.0410.C18.o2.tm	Method	TBLASTX:Maize
Start	67	End	2106
GI	none	Score	135
Exons	67..114, 267..386, 267..386, 268..387, 489..575, 490..576, 705..770, 706..771, 850..927, 854..955, 855..980, 1350..1463, 1378..1470, 1378..1461, 1380..1463, 1944..2105, 1944..2066, 1945..2106, 1948..2103		

Seq. No.	46051	Seq. ID	OJ991109_01.0410.C18
Gene No.	97586	Strand	+
Start	1	End	3889
Name	OJ991109_01.0410.C18.o1.tc	Method	TBLASTX:Cress
Start	1392	End	2202
GI	none	Score	106
Exons	1392..1457, 1393..1470, 1945..2085, 1959..2066, 2086..2202, 2092..2175		

Seq. No.	46051	Seq. ID	OJ991109_01.0410.C18
Gene No.	97586	Strand	+
Start	1	End	3889
Name	OJ991109_01.0410.C18.o1.tm	Method	TBLASTX:Maize
Start	2107	End	3889
GI	none	Score	65
Exons	2107..2199, 2107..2202, 2108..2203, 2444..2503, 2446..2676, 2543..2671, 3613..3711, 3617..3727, 3624..3758, 3627..3758, 3731..3808, 3733..3810, 3733..3810, 3811..3888, 3812..3889		

Seq. No.	46051	Seq. ID	OJ991109_01.0410.C18

Gene No.	97586	Strand	+
Start	1	End	3889
Name	OJ991109_01.0410.C18.o2.ts	Method	TBLASTX:Soybean
Start	2463	End	2680
GI	none	Score	155
Exons	2463..2546, 2464..2592, 2540..2590, 2578..2670, 2582..2680, 2616..2672		

Seq. No.	46052	Seq. ID	OJ991109_01.0410.C19
Gene No.	97587	Strand	+
Start	676	End	2687
Name	OJ991109_01.0410.C19.o2.tm	Method	TBLASTX:Maize
Start	607	End	1376
GI	none	Score	119
Exons	607..720, 614..721, 614..736, 788..964, 833..967, 1298..1366, 1300..1368, 1300..1368, 1302..1376, 1302..1373		

Seq. No.	46052	Seq. ID	OJ991109_01.0410.C19
Gene No.	97587	Strand	+
Start	676	End	2687
Name	OJ991109_01.0410.C19.o1.gs	Method	GENSCAN
Start	676	End	2687
GI	none	Score	.71
Exons	676..720, 794..963, 1300..1366, 1727..1915, 1997..2184, 2380..2515, 2649..2687		

Seq. No.	46052	Seq. ID	OJ991109_01.0410.C19
Gene No.	97587	Strand	+
Start	676	End	2687
Name	OJ991109_01.0410.C19.o1.tm	Method	TBLASTX:Maize
Start	1754	End	2294
GI	none	Score	181
Exons	1754..1915, 1768..1923, 1769..1924, 1994..2161, 1994..2221, 2067..2219, 2094..2243, 2235..2294		

Seq. No.	46052	Seq. ID	OJ991109_01.0410.C19
Gene No.	97587	Strand	+
Start	676	End	2687
Name	OJ991109_01.0410.C19.o1.ts	Method	TBLASTX:Soybean
Start	2003	End	2170
GI	none	Score	193
Exons	2003..2170, 2011..2130		

Seq. No.	46053	Seq. ID	OJ991109_01.0410.C20
Gene No.	97588	Strand	+
Start	1	End	2099
Name	OJ991109_01.0410.C20.o1.np	Method	AAT/NAP
Start	1	End	675
GI	7438344	Score	194
Exons	1..374, 460..675		
GI Descrip.	myb-related protein 1 - rice gi|2605617|dbj|BAA23337.1| (D88617) OSMYB1 [Oryza sativa]		

Seq. No.	46053	Seq. ID	OJ991109_01.0410.C20
Gene No.	97588	Strand	+
Start	1	End	2099
Name	OJ991109_01.0410.C20.o1.tw	Method	TBLASTX:Wheat

Start	3	End	255
GI	none	Score	145
Exons	3..116, 3..53, 5..118, 207..254, 208..255		

Seq. No.	46053	Seq. ID	OJ991109_01.0410.C20
Gene No.	97588	Strand	+
Start	1	End	2099
Name	OJ991109_01.0410.C20.o1.gs	Method	GENSCAN
Start	24	End	2099
GI	none	Score	.71
Exons	24..115, 429..580, 1123..1333, 1946..2099		

Seq. No.	46054	Seq. ID	OJ991109_01.0410.C21
Gene No.	97589	Strand	-
Start	337	End	2251
Name	OJ991109_01.0410.C21.o1.gs	Method	GENSCAN
Start	337	End	1972
GI	none	Score	.69
Exons	337..634, 951..1034, 1284..1477, 1598..1714, 1807..1972		

Seq. No.	46054	Seq. ID	OJ991109_01.0410.C21
Gene No.	97589	Strand	-
Start	337	End	2251
Name	OJ991109_01.0410.C21.o1.ts	Method	TBLASTX:Soybean
Start	341	End	2197
GI	none	Score	80
Exons	341..535, 346..549, 359..529, 361..534, 562..627, 1108..1164, 1295..1369, 1368..1484, 1379..1474, 1622..1714, 1632..1709, 1804..1974, 1804..1974, 2069..2197, 2073..2189		

Seq. No.	46054	Seq. ID	OJ991109_01.0410.C21
Gene No.	97589	Strand	-
Start	337	End	2251
Name	OJ991109_01.0410.C21.o1.np	Method	AAT/NAP
Start	349	End	2251
GI	6911866	Score	1261
Exons	349..651, 953..1001, 1070..1201, 1284..1477, 1598..1714, 1807..1972, 2070..2251		
GI Descrip.	(AL138655) phosphatidylinositol-4-phosphate 5-kinase-like protein [Arabidopsis thaliana]		

Seq. No.	46054	Seq. ID	OJ991109_01.0410.C21
Gene No.	97589	Strand	-
Start	337	End	2251
Name	OJ991109_01.0410.C21.o1.tc	Method	TBLASTX:Cress
Start	352	End	2251
GI	none	Score	80
Exons	352..534, 352..537, 353..538, 591..647, 1115..1201, 1120..1200, 1254..1475, 1292..1480, 1317..1481, 1598..1714, 1614..1709, 1804..1956, 1804..1974, 2069..2251, 2072..2224, 2073..2243		

Seq. No.	46054	Seq. ID	OJ991109_01.0410.C21
Gene No.	97589	Strand	-
Start	337	End	2251
Name	OJ991109_01.0410.C21.o2.tm	Method	TBLASTX:Maize
Start	353	End	615
GI	none	Score	243

Exons	353..610, 353..610, 355..615, 355..615		
Seq. No.	46054	Seq. ID	OJ991109_01.0410.C21
Gene No.	97589	Strand	-
Start	337	End	2251
Name	OJ991109_01.0410.C21.o1.tw	Method	TBLASTX:Wheat
Start	401	End	1211
GI	none	Score	229
Exons	401..637, 402..638, 403..639, 403..639, 938..973, 939..989, 948..989, 975..1025, 979..1032, 1105..1200, 1110..1211, 1115..1198		
Seq. No.	46054	Seq. ID	OJ991109_01.0410.C21
Gene No.	97589	Strand	-
Start	337	End	2251
Name	OJ991109_01.0410.C21.o1.tm	Method	TBLASTX:Maize
Start	966	End	1719
GI	none	Score	74
Exons	966..1037, 1093..1200, 1094..1201, 1119..1202, 1254..1478, 1278..1481, 1289..1480, 1313..1483, 1598..1714, 1602..1718, 1606..1719		
Seq. No.	46054	Seq. ID	OJ991109_01.0410.C21
Gene No.	97589	Strand	-
Start	337	End	2251
Name	OJ991109_01.0410.C21.o3.tm	Method	TBLASTX:Maize
Start	1804	End	2200
GI	none	Score	69
Exons	1804..1974, 1807..1956, 2069..2200, 2070..2186		
Seq. No.	46055	Seq. ID	OJ991109_01.0410.C22
Gene No.	97590	Strand	+
Start	144	End	241
Name	OJ991109_01.0410.C22.o1.gs	Method	GENSCAN
Start	144	End	241
GI	none	Score	.83
Exons	144..241		
Seq. No.	46055	Seq. ID	OJ991109_01.0410.C22
Gene No.	97591	Strand	-
Start	892	End	2989
Name	OJ991109_01.0410.C22.o2.gs	Method	GENSCAN
Start	892	End	2989
GI	none	Score	.63
Exons	892..1046, 2593..2775, 2905..2989		
Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97592	Strand	+
Start	20335	End	23475
Name	OJ991109_01.0410.C23.o2.np	Method	AAT/NAP
Start	20335	End	23472
GI	7228456	Score	4451
Exons	20335..23472		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		
Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97592	Strand	+

Start	20335	End	23475
Name	OJ991109_01.0410.C23.o6.gs	Method	GENSCAN
Start	20335	End	23475
GI	none	Score	.64
Exons	20335..21399, 21486..21595, 21690..22497, 22555..23475		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97593	Strand	-
Start	450	End	3416
Name	OJ991109_01.0410.C23.o1.np	Method	AAT/NAP
Start	450	End	3323
GI	6648208	Score	1675
Exons	450..529, 625..818, 914..1030, 1124..1289, 1388..1552, 2252..3323		
GI Descrip.	(AC013483) putative phosphatidylinositol-4-phosphate 5-kinase [Arabidopsis thaliana]		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97593	Strand	-
Start	450	End	3416
Name	OJ991109_01.0410.C23.o1.gs	Method	GENSCAN
Start	450	End	3416
GI	none	Score	.71
Exons	450..529, 625..818, 914..1030, 1130..1289, 2252..2919, 3042..3416		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97594	Strand	-
Start	6837	End	9851
Name	OJ991109_01.0410.C23.o2.gs	Method	GENSCAN
Start	6837	End	9851
GI	none	Score	.5
Exons	6837..6976, 7847..8271, 9802..9851		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97594	Strand	-
Start	6837	End	9851
Name	OJ991109_01.0410.C23.o1.gp	Method	AAT/GAP
Start	9292	End	9373
GI	38012_1.R1084	Score	101
Exons	9292..9373		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97595	Strand	-
Start	15993	End	17872
Name	OJ991109_01.0410.C23.o5.gs	Method	GENSCAN
Start	15993	End	17872
GI	none	Score	.65
Exons	15993..16049, 16079..16213, 17160..17257, 17785..17872		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o1.tm	Method	TBLASTX:Maize
Start	440	End	1147

GI	none	Score	131
Exons	440..532, 451..531, 624..803, 625..819, 654..821, 719..820, 910..1032, 914..1033, 918..1031, 920..1033, 943..1050, 1115..1147		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o1.tc	Method	TBLASTX:Cress
Start	451	End	3248
GI	none	Score	79
Exons	451..531, 455..556, 624..803, 658..816, 666..821, 914..1063, 920..1033, 930..1070, 1100..1291, 1116..1277, 1121..1285, 1387..1554, 1390..1500, 1391..1555, 2251..2325, 2731..2952, 2731..2952, 2731..2931, 2812..2952, 2834..2956, 2843..2947, 2958..3194, 2958..3068, 2958..3242, 2958..3239, 2958..3239, 2968..2991, 3006..3239, 3058..3237, 3067..3207, 3067..3237, 3070..3237, 3144..3248, 3195..3245, 3196..3246		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o3.ts	Method	TBLASTX:Soybean
Start	454	End	830
GI	none	Score	79
Exons	454..528, 455..529, 631..804, 633..803, 660..830		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o1.ts	Method	TBLASTX:Soybean
Start	992	End	1551
GI	none	Score	55
Exons	992..1033, 1100..1291, 1119..1277, 1387..1551, 1391..1546		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o6.tm	Method	TBLASTX:Maize
Start	1148	End	1518
GI	none	Score	96
Exons	1148..1291, 1149..1283, 1387..1482, 1387..1518		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o2.ts	Method	TBLASTX:Soybean
Start	2710	End	3251
GI	none	Score	76
Exons	2710..2844, 2731..2952, 2737..2952, 2737..2895, 2842..2952, 2843..2950, 2958..3248, 2958..3239, 2979..3242, 2979..3188, 3067..3189, 3067..3243, 3067..3246, 3115..3237, 3117..3251		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o2.tm	Method	TBLASTX:Maize

Start	2731	End	3249
GI	none	Score	64
Exons	2731..2952, 2731..2901, 2809..2952, 2812..2952, 2828..2953, 2834..2950, 2837..2950, 2840..2950, 2958..3242, 2958..3179, 2979..3242, 3061..3174, 3064..3249, 3064..3243, 3067..3240, 3117..3248		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o5.tw	Method	TBLASTX:Wheat
Start	2731	End	3243
GI	none	Score	40
Exons	2731..2952, 2731..2922, 2737..2952, 2828..2947, 2842..2952, 2843..2953, 2848..2952, 2958..3242, 2958..3194, 2958..3239, 2985..3230, 3054..3242, 3058..3243, 3058..3222, 3058..3243, 3061..3195		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o6.tw	Method	TBLASTX:Wheat
Start	21350	End	24710
GI	none	Score	77
Exons	21350..21451, 24108..24233, 24112..24234, 24400..24708, 24420..24710, 24427..24705		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o7.gs	Method	GENSCAN
Start	24096	End	27642
GI	none	Score	.54
Exons	24096..25616, 25714..27642		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o3.np	Method	AAT/NAP
Start	24099	End	27966
GI	7228457	Score	5588
Exons	24099..25649, 25714..26865, 26988..27966		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o3.tw	Method	TBLASTX:Wheat
Start	24711	End	25092
GI	none	Score	173
Exons	24711..25091, 24742..24990, 24750..25088, 25036..25092		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966

Name	OJ991109_01.0410.C23.o4.tm	Method	TBLASTX:Maize
Start	24897	End	25229
GI	none	Score	97
Exons	24897..25109, 24906..25229, 24919..25212		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o4.tw	Method	TBLASTX:Wheat
Start	25735	End	26193
GI	none	Score	86
Exons	25735..25884, 25736..25873, 25918..26169, 25919..26104, 25972..26193		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o4.ts	Method	TBLASTX:Soybean
Start	26794	End	27165
GI	none	Score	90
Exons	26794..27165, 27005..27148		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o1.tw	Method	TBLASTX:Wheat
Start	26824	End	27244
GI	none	Score	304
Exons	26824..27243, 26831..27244		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o5.tm	Method	TBLASTX:Maize
Start	26917	End	27301
GI	none	Score	230
Exons	26917..27300, 26936..27301		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o3.tm	Method	TBLASTX:Maize
Start	27328	End	27648
GI	none	Score	177
Exons	27328..27648, 27338..27619		

Seq. No.	46056	Seq. ID	OJ991109_01.0410.C23
Gene No.	97596	Strand	-
Start	24096	End	27966
Name	OJ991109_01.0410.C23.o2.tw	Method	TBLASTX:Wheat
Start	27352	End	27645
GI	none	Score	150
Exons	27352..27645, 27358..27618, 27359..27619		

Seq. No.	46057	Seq. ID	OJ991019_19.0306.C1
Gene No.	97597	Strand	+
Start	161	End	1685

Name	OJ991019_19.0306.C1.o2.tm	Method	TBLASTX:Maize
Start	145	End	699
GI	none	Score	71
Exons	145..255, 175..258, 191..301, 598..699	283..381, 287..379, 386..439,	

Seq. No.	46057	Seq. ID	OJ991019_19.0306.C1
Gene No.	97597	Strand	+
Start	161	End	1685
Name	OJ991019_19.0306.C1.o1.np	Method	AAT/NAP
Start	161	End	1685
GI	3850588	Score	481
Exons	161..438, 600..787, 1392..1685		
GI Descrip.	(AC005278) Contains similarity to gb|AB011110 KIAA0538 protein from Homo sapiens brain and to phospholipid-binding domain C2 PF|00168. ESTs gb|AA585988 and gb|T04384 come from this gene. [Arabidopsis thaliana]		

Seq. No.	46057	Seq. ID	OJ991019_19.0306.C1
Gene No.	97597	Strand	+
Start	161	End	1685
Name	OJ991019_19.0306.C1.o1.ts	Method	TBLASTX:Soybean
Start	175	End	439
GI	none	Score	65
Exons	175..258, 175..387, 191..439		

Seq. No.	46057	Seq. ID	OJ991019_19.0306.C1
Gene No.	97597	Strand	+
Start	161	End	1685
Name	OJ991019_19.0306.C1.o1.gs	Method	GENSCAN
Start	176	End	1645
GI	none	Score	.73
Exons	176..390, 600..768, 833..898, 1373..1645		

Seq. No.	46057	Seq. ID	OJ991019_19.0306.C1
Gene No.	97597	Strand	+
Start	161	End	1685
Name	OJ991019_19.0306.C1.o1.tw	Method	TBLASTX:Wheat
Start	598	End	1570
GI	none	Score	70
Exons	598..726, 1328..1570, 1390..1569		

Seq. No.	46057	Seq. ID	OJ991019_19.0306.C1
Gene No.	97597	Strand	+
Start	161	End	1685
Name	OJ991019_19.0306.C1.o1.tm	Method	TBLASTX:Maize
Start	1381	End	1648
GI	none	Score	227
Exons	1381..1512, 1382..1648, 1534..1641		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97598	Strand	+
Start	266	End	5415
Name	OJ991019_19.0306.C2.o1.gs	Method	GENSCAN
Start	266	End	4388
GI	none	Score	.55
Exons	266..416, 648..787, 813..1000, 1528..1921, 1993..2115,		

2211..2359, 3740..4388

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97598	Strand	+
Start	266	End	5415
Name	OJ991019_19.0306.C2.o1.np	Method	AAT/NAP
Start	2232	End	5415
GI	7486222	Score	384
Exons	2232..2359, 3497..4229, 5347..5415		
GI Descrip.	hypothetical protein F27B13.120 - Arabidopsis thaliana gi|4914412|emb|CAB43663.1| (AL050352) putative protein [Arabidopsis thaliana] gi|7269887|emb|CAB79746.1| (AL161575) putative protein [Arabidopsis thaliana]		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97598	Strand	+
Start	266	End	5415
Name	OJ991019_19.0306.C2.o2.gp	Method	AAT/GAP
Start	3616	End	4308
GI	52346_1.R1084	Score	1185
Exons	3616..3663, 3740..4308		
GI Descrip.	'1871526/emb|CAA57523| 7.0e-38 (X81997) leucine-rich-repeat protein [Helianthus annuus]'		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97599	Strand	+
Start	10080	End	18793
Name	OJ991019_19.0306.C2.o3.gs	Method	GENSCAN
Start	10080	End	18793
GI	none	Score	.59
Exons	10080..10486, 13878..14024, 14125..14194, 14302..14961, 15062..15502, 15612..16096, 17717..17759, 18398..18526, 18626..18793		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97599	Strand	+
Start	10080	End	18793
Name	OJ991019_19.0306.C2.o3.np	Method	AAT/NAP
Start	13966	End	16157
GI	6553905	Score	1082
Exons	13966..14024, 14125..14194, 14284..15502, 15612..16157		
GI Descrip.	(AC012563) unknown protein [Arabidopsis thaliana]		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97600	Strand	+
Start	30915	End	31539
Name	OJ991019_19.0306.C2.o5.gp	Method	AAT/GAP
Start	30915	End	31539
GI	40260_1.R1084	Score	1238
Exons	30915..31539		
GI Descrip.	'6016720/gb|AAF01546.1|AC009325_16 2.0e-35 (AC009325) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97601	Strand	+
Start	50356	End	54392
Name	OJ991019_19.0306.C2.o10.np	Method	AAT/NAP

Start	50350	End	53814
GI	118124	Score	100
Exons	50350..50446, 51930..52074, 53780..53814		
GI Descrip.	CYSTEINE PROTEINASE EP-B 4 PRECURSOR gi|82386|pir||JQ1110 cysteine proteinase (EC 3.4.22.-) EP-B 4 precursor - barley gi|1146118 (U19384) cysteine proteinase EPB2 precursor [Hordeum vulgare]		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97601	Strand	+
Start	50356	End	54392
Name	OJ991019_19.0306.C2.o9.gs	Method	GENSCAN
Start	50356	End	52291
GI	none	Score	.87
Exons	50356..50656, 51007..51090, 51909..52291		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97601	Strand	+
Start	50356	End	54392
Name	OJ991019_19.0306.C2.o9.gp	Method	AAT/GAP
Start	53175	End	53864
GI	36126_1.R1084	Score	1136
Exons	53175..53864		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-09 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97601	Strand	+
Start	50356	End	54392
Name	OJ991019_19.0306.C2.o10.gs	Method	GENSCAN
Start	53369	End	54392
GI	none	Score	.87
Exons	53369..53507, 53821..54392		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97601	Strand	+
Start	50356	End	54392
Name	OJ991019_19.0306.C2.o11.np	Method	AAT/NAP
Start	53821	End	54279
GI	100210	Score	109
Exons	53821..54279		
GI Descrip.	extensin precursor (clone Tom L-4) - tomato gi|170444 (M76671) extensin (class II) [Lycopersicon esculentum]		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97602	Strand	-
Start	525	End	682
Name	OJ991019_19.0306.C2.o1.gp	Method	AAT/GAP
Start	525	End	682
GI	3106956	Score	276
Exons	525..682		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97603	Strand	-
Start	4431	End	9387
Name	OJ991019_19.0306.C2.o2.np	Method	AAT/NAP
Start	4431	End	8441

GI	7452446	Score	671
Exons	4431..4529, 5442..5722, 5774..5902, 6112..6395, 6497..6679, 6730..6919, 7027..7120, 7364..7478, 7572..7641, 7786..8441		
GI Descrip.	hypothetical protein F22K18.110 - Arabidopsis thaliana gi|4220521|emb|CAA22994.1| (AL035356) putative protein [Arabidopsis thaliana] gi|7269320|emb|CAB79379.1| (AL161562) putative protein [Arabidopsis thaliana]		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97603	Strand	-
Start	4431	End	9387
Name	OJ991019_19.0306.C2.o3.gp	Method	AAT/GAP
Start	5001	End	5351
GI	13512_1.R1084	Score	706
Exons	5001..5351		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97603	Strand	-
Start	4431	End	9387
Name	OJ991019_19.0306.C2.o2.gs	Method	GENSCAN
Start	5203	End	9387
GI	none	Score	.74
Exons	5203..5351, 5394..5436, 5442..5627, 5705..5857, 6030..6155, 6246..6470, 6497..6709, 6805..6919, 7027..8408, 9325..9387		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97603	Strand	-
Start	4431	End	9387
Name	OJ991019_19.0306.C2.o4.gp	Method	AAT/GAP
Start	5913	End	6614
GI	LIB3434-041-P1-K1-E5	Score	869
Exons	5913..6155, 6246..6395, 6497..6614		
GI Descrip.	'4220521/emb|CAA22994| 1.0e-21 (AL035356) putative protein [Arabidopsis thaliana]'		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97604	Strand	-
Start	19289	End	19774
Name	OJ991019_19.0306.C2.o4.gs	Method	GENSCAN
Start	19289	End	19774
GI	none	Score	.87
Exons	19289..19774		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97605	Strand	-
Start	21083	End	24551
Name	OJ991019_19.0306.C2.o5.gs	Method	GENSCAN
Start	21083	End	22681
GI	none	Score	1
Exons	21083..22681		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97605	Strand	-
Start	21083	End	24551
Name	OJ991019_19.0306.C2.o4.np	Method	AAT/NAP

Start	21119	End	24006
GI	4335729	Score	926
Exons	21119..22373, 23951..24006		
GI Descrip.	(AC006248) putative salt-inducible protein [Arabidopsis thaliana]		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97605	Strand	-
Start	21083	End	24551
Name	OJ991019_19.0306.C2.o5.np	Method	AAT/NAP
Start	22657	End	24551
GI	6560767	Score	346
Exons	22657..22691, 23900..24248, 24344..24551		
GI Descrip.	(AC010155) F3M18.9 [Arabidopsis thaliana]		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97606	Strand	-
Start	29228	End	30726
Name	OJ991019_19.0306.C2.o6.np	Method	AAT/NAP
Start	29228	End	30726
GI	5852093	Score	66
Exons	29228..29450, 30609..30726		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97607	Strand	-
Start	31332	End	55381
Name	OJ991019_19.0306.C2.o7.np	Method	AAT/NAP
Start	31332	End	33631
GI	4850383	Score	1485
Exons	31332..32413, 33550..33631		
GI Descrip.	(AC007357) Contains similarity to gi|4417304 F15O11.7 putative beta-1,4-mannosyl-glycoprotein beta-1,4-N-acetylglucosaminyltransferase from Arabidopsis thaliana BAC gb|AC006446.		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97607	Strand	-
Start	31332	End	55381
Name	OJ991019_19.0306.C2.o6.gp	Method	AAT/GAP
Start	31457	End	31872
GI	701393	Score	689
Exons	31457..31872		
GI Descrip.	6016720/gb|AAF01546.1|AC009325_16 2.0e-35 (AC009325) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97607	Strand	-
Start	31332	End	55381
Name	OJ991019_19.0306.C2.o7.gp	Method	AAT/GAP
Start	32169	End	33955
GI	29813_1.R1084	Score	1228
Exons	32169..32429, 33563..33955		
GI Descrip.	'6016720/gb|AAF01546.1|AC009325_16 1.0e-29 (AC009325) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2

Gene No.	97607	Strand	-
Start	31332	End	55381
Name	OJ991019_19.0306.C2.o8.np	Method	AAT/NAP
Start	33721	End	51275
GI	7442091	Score	110
Exons	33721..33927, 42231..42375, 50509..50598, 51066..51275		
GI Descrip.	proline-rich protein F25E4.50 - Arabidopsis thaliana gi|7321040|emb|CAB82148.1| (AL050399) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97607	Strand	-
Start	31332	End	55381
Name	OJ991019_19.0306.C2.o9.np	Method	AAT/NAP
Start	39307	End	55381
GI	7106516	Score	143
Exons	39307..39325, 42169..42293, 47577..47754, 48505..48631, 55361..55381		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97607	Strand	-
Start	31332	End	55381
Name	OJ991019_19.0306.C2.o7.gs	Method	GENSCAN
Start	42044	End	42397
GI	none	Score	.59
Exons	42044..42397		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97607	Strand	-
Start	31332	End	55381
Name	OJ991019_19.0306.C2.o10.gp	Method	AAT/GAP
Start	54023	End	54449
GI	58838_1.R1084	Score	823
Exons	54023..54449		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o8.tm	Method	TBLASTX:Maize
Start	1655	End	1846
GI	none	Score	105
Exons	1655..1735, 1657..1728, 1753..1845, 1754..1846		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o2.tm	Method	TBLASTX:Maize
Start	2247	End	4392
GI	none	Score	35
Exons	2247..2267, 2247..2297, 2301..2360, 2306..2365, 2315..2362, 3462..3539, 3491..3634, 3497..3637, 3500..3652, 3530..3652, 3560..3658, 3569..3652, 3627..3674, 3629..3664, 3729..3800, 3731..4234, 3732..4088, 3738..4265, 3739..4269, 3739..4242, 3990..4142, 4209..4343, 4277..4342, 4341..4388, 4345..4392		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o3.ts	Method	TBLASTX:Soybean
Start	3560	End	4415
GI	none	Score	69
Exons	3560..3658, 3894..4256, 3895..4152, 4118..4234, 4277..4333, 4278..4337, 4350..4415		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o3.tm	Method	TBLASTX:Maize
Start	5438	End	8132
GI	none	Score	65
Exons	5438..5545, 5440..5598, 5441..5599, 5442..5600, 5451..5600, 5490..5597, 6033..6167, 6242..6397, 6243..6398, 6243..6401, 6494..6706, 6501..6686, 6814..6918, 6815..6916, 7029..7145, 7033..7146, 7067..7177, 7867..7893, 7920..7970, 7922..7984, 7998..8132, 8010..8093		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o3.tc	Method	TBLASTX:Cress
Start	5441	End	6650
GI	none	Score	81
Exons	5441..5602, 5442..5603, 5462..5548, 5469..5603, 6231..6401, 6243..6386, 6494..6649, 6500..6643, 6525..6650		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o2.ts	Method	TBLASTX:Soybean
Start	5481	End	7130
GI	none	Score	81
Exons	5481..5603, 5481..5612, 6033..6119, 6231..6401, 6244..6336, 6492..6656, 6494..6718, 6495..6719, 6838..6918, 7032..7130		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o9.tm	Method	TBLASTX:Maize
Start	8160	End	8414
GI	none	Score	110
Exons	8160..8204, 8166..8414, 8268..8414		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o4.tc	Method	TBLASTX:Cress
Start	13960	End	14589
GI	none	Score	70
Exons	13960..14025, 14275..14334, 14353..14505, 14527..14589		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2

Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o6.ts	Method	TBLASTX:Soybean
Start	14236	End	14637
GI	none	Score	41
Exons	14236..14340, 14353..14637, 14397..14588		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o6.tm	Method	TBLASTX:Maize
Start	14272	End	14589
GI	none	Score	262
Exons	14272..14589, 14400..14576		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o2.tw	Method	TBLASTX:Wheat
Start	14332	End	14634
GI	none	Score	245
Exons	14332..14634, 14400..14615		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o4.tm	Method	TBLASTX:Maize
Start	14806	End	15303
GI	none	Score	75
Exons	14806..14865, 14812..14874, 14813..14872, 14934..15026, 14935..15027, 14984..15028, 15004..15126, 15023..15130, 15091..15303, 15131..15301, 15199..15303		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o7.tm	Method	TBLASTX:Maize
Start	15314	End	15758
GI	none	Score	54
Exons	15314..15388, 15392..15502, 15406..15504, 15602..15700, 15615..15755, 15630..15758		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o8.ts	Method	TBLASTX:Soybean
Start	15386	End	15830
GI	none	Score	93
Exons	15386..15502, 15421..15498, 15602..15703, 15612..15830, 15621..15749		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o5.tc	Method	TBLASTX:Cress
Start	15428	End	15779
GI	none	Score	70

Exons	15428..15502, 15615..15767, 15663..15779		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o2.tc	Method	TBLASTX:Cress
Start	21144	End	22324
GI	none	Score	75
Exons	21144..21344, 21149..21337, 21152..21517, 21152..21451, 21153..21458, 21228..21335, 21230..21445, 21249..21509, 21252..21614, 21257..21631, 21335..21550, 21359..21724, 21363..21764, 21428..21640, 21467..21817, 21533..21745, 21560..21976, 21572..21898, 21615..21917, 21650..21859, 21680..22036, 21681..22031, 21743..21970, 21782..22048, 21848..22033, 21881..22054, 22031..22135, 22040..22135, 22073..22171, 22145..22243, 22154..22243, 22178..22267, 22184..22264, 22232..22324, 22244..22324		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o4.ts	Method	TBLASTX:Soybean
Start	21152	End	22324
GI	none	Score	107
Exons	21152..21910, 21152..21520, 21153..21503, 21158..21613, 21173..22144, 21188..21352, 21311..21484, 21363..21881, 21363..21719, 21521..21691, 21576..21863, 21791..22048, 22037..22246, 22037..22129, 22145..22270, 22145..22246, 22247..22324		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o5.tm	Method	TBLASTX:Maize
Start	21159	End	22246
GI	none	Score	76
Exons	21159..21350, 21204..21455, 21206..21454, 21311..21559, 21407..21670, 21512..21775, 21519..21770, 21617..21874, 21722..21982, 21962..22042, 22148..22246		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o5.ts	Method	TBLASTX:Soybean
Start	24029	End	25099
GI	none	Score	75
Exons	24029..24109, 24103..24180, 24157..24255, 24164..24262, 24339..24533, 24342..24530, 25043..25099		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o1.tm	Method	TBLASTX:Maize
Start	31201	End	32424
GI	none	Score	1278
Exons	31201..31254, 31329..32423, 31333..32424		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o1.tw	Method	TBLASTX:Wheat
Start	31323	End	31719
GI	none	Score	361
Exons	31323..31715, 31329..31715, 31330..31719		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o1.ts	Method	TBLASTX:Soybean
Start	31335	End	32198
GI	none	Score	704
Exons	31335..32192, 31339..32190, 31341..32198		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o1.tc	Method	TBLASTX:Cress
Start	31621	End	32087
GI	none	Score	401
Exons	31621..32079, 31623..32087		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o7.ts	Method	TBLASTX:Soybean
Start	32199	End	32427
GI	none	Score	85
Exons	32199..32336, 32199..32423, 32200..32427		

Seq. No.	46058	Seq. ID	OJ991019_19.0306.C2
Gene No.	97608	Strand	-
Start	55353	End	56752
Name	OJ991019_19.0306.C2.o11.gs	Method	GENSCAN
Start	55353	End	56752
GI	none	Score	.79
Exons	55353..55427, 55457..55538, 55702..55901, 56009..56151, 56688..56752		

Seq. No.	46059	Seq. ID	OJ991019_19.0306.C3
Gene No.	97609	Strand	+
Start	2299	End	5167
Name	OJ991019_19.0306.C3.o2.np	Method	AAT/NAP
Start	2299	End	5167
GI	4680203	Score	842
Exons	2299..2334, 3574..4444, 5083..5167		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	46059	Seq. ID	OJ991019_19.0306.C3
Gene No.	97609	Strand	+
Start	2299	End	5167
Name	OJ991019_19.0306.C3.o2.gp	Method	AAT/GAP
Start	3578	End	4444
GI	342_1.R1084	Score	1254
Exons	3578..4444		

GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No.	46059	Seq. ID	OJ991019_19.0306.C3
Gene No.	97610	Strand	-
Start	161	End	2341
Name	OJ991019_19.0306.C3.o1.gs	Method	GENSCAN
Start	161	End	2229
GI	none	Score	.67
Exons	161..318, 519..638, 727..940, 1781..1940, 2174..2229		

Seq. No.	46059	Seq. ID	OJ991019_19.0306.C3
Gene No.	97610	Strand	-
Start	161	End	2341
Name	OJ991019_19.0306.C3.o1.np	Method	AAT/NAP
Start	239	End	2341
GI	6522532	Score	141
Exons	239..378, 573..638, 727..906, 2321..2341		
GI Descrip.	(AL132955) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46059	Seq. ID	OJ991019_19.0306.C3
Gene No.	97610	Strand	-
Start	161	End	2341
Name	OJ991019_19.0306.C3.o1.tm	Method	TBLASTX:Maize
Start	239	End	907
GI	none	Score	151
Exons	239..319, 571..639, 707..907		

Seq. No.	46059	Seq. ID	OJ991019_19.0306.C3
Gene No.	97611	Strand	
Start	3864	End	4274
Name	OJ991019_19.0306.C3.o1.tw	Method	TBLASTX:Wheat
Start	3864	End	4274
GI	none	Score	93
Exons	3864..4019, 3926..4033, 4016..4132, 4024..4119, 4183..4263, 4187..4264, 4191..4274		

Seq. No.	46060	Seq. ID	OJ991019_19.0306.C4
Gene No.	97612	Strand	-
Start	28	End	840
Name	OJ991019_19.0306.C4.o1.gs	Method	GENSCAN
Start	28	End	840
GI	none	Score	.6
Exons	28..149, 753..840		

Seq. No.	46061	Seq. ID	OJ991019_19.0306.C5
Gene No.	97613	Strand	+
Start	1	End	471
Name	OJ991019_19.0306.C5.o1.gp	Method	AAT/GAP
Start	1	End	471
GI	LIB3434-038-P1-K1-F1	Score	694
Exons	1..471		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	46061	Seq. ID	OJ991019_19.0306.C5
Gene No.	97614	Strand	+

Start	985	End	2939
Name	OJ991019_19.0306.C5.o1.np	Method	AAT/NAP
Start	985	End	2939
GI	6742729	Score	2979
Exons	985..2939		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	46061	Seq. ID	OJ991019_19.0306.C5
Gene No.	97615	Strand	-
Start	3117	End	3553
Name	OJ991019_19.0306.C5.o2.tc	Method	TBLASTX:Cress
Start	1047	End	1298
GI	none	Score	224
Exons	1047..1298, 1049..1102, 1151..1279		

Seq. No.	46061	Seq. ID	OJ991019_19.0306.C5
Gene No.	97615	Strand	-
Start	3117	End	3553
Name	OJ991019_19.0306.C5.o2.tw	Method	TBLASTX:Wheat
Start	1086	End	1555
GI	none	Score	69
Exons	1086..1142, 1094..1138, 1139..1240, 1140..1244, 1248..1346, 1253..1342, 1326..1550, 1347..1550, 1349..1555, 1436..1555		

Seq. No.	46061	Seq. ID	OJ991019_19.0306.C5
Gene No.	97615	Strand	-
Start	3117	End	3553
Name	OJ991019_19.0306.C5.o1.tm	Method	TBLASTX:Maize
Start	1133	End	1589
GI	none	Score	228
Exons	1133..1384, 1143..1385, 1395..1589		

Seq. No.	46061	Seq. ID	OJ991019_19.0306.C5
Gene No.	97615	Strand	-
Start	3117	End	3553
Name	OJ991019_19.0306.C5.o1.ts	Method	TBLASTX:Soybean
Start	1419	End	1661
GI	none	Score	219
Exons	1419..1661		

Seq. No.	46061	Seq. ID	OJ991019_19.0306.C5
Gene No.	97615	Strand	-
Start	3117	End	3553
Name	OJ991019_19.0306.C5.o3.tw	Method	TBLASTX:Wheat
Start	1694	End	2105
GI	none	Score	92
Exons	1694..1795, 1695..1766, 1743..1985, 1766..1945, 1774..1986, 2019..2105, 2020..2103		

Seq. No.	46061	Seq. ID	OJ991019_19.0306.C5
Gene No.	97615	Strand	-
Start	3117	End	3553
Name	OJ991019_19.0306.C5.o2.tm	Method	TBLASTX:Maize
Start	2083	End	2463
GI	none	Score	42
Exons	2083..2133, 2149..2463, 2160..2435		

Seq. No.	46061	Seq. ID	OJ991019_19.0306.C5
Gene No.	97615	Strand	-
Start	3117	End	3553
Name	OJ991019_19.0306.C5.o1.tw	Method	TBLASTX:Wheat
Start	2106	End	3423
GI	none	Score	358
Exons	2106..2831, 2106..3008, 2107..3024, 3017..3058, 3019..3063, 3070..3129, 3108..3248, 3109..3249, 3262..3342, 3328..3423, 3357..3422		

Seq. No.	46061	Seq. ID	OJ991019_19.0306.C5
Gene No.	97615	Strand	-
Start	3117	End	3553
Name	OJ991019_19.0306.C5.o1.tc	Method	TBLASTX:Cress
Start	2394	End	2841
GI	none	Score	159
Exons	2394..2831, 2394..2837, 2398..2841, 2692..2841		

Seq. No.	46061	Seq. ID	OJ991019_19.0306.C5
Gene No.	97615	Strand	-
Start	3117	End	3553
Name	OJ991019_19.0306.C5.o2.gp	Method	AAT/GAP
Start	3117	End	3553
GI	LIB3431-028-P1-N1-A10	Score	732
Exons	3117..3463, 3491..3553		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	46062	Seq. ID	OJ991019_19.0306.C6
Gene No.	97616	Strand	+
Start	1032	End	4788
Name	OJ991019_19.0306.C6.o1.np	Method	AAT/NAP
Start	1032	End	4778
GI	4680204	Score	1045
Exons	1032..2462, 2558..3711, 3804..3971, 4065..4197, 4549..4778		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	46062	Seq. ID	OJ991019_19.0306.C6
Gene No.	97616	Strand	+
Start	1032	End	4788
Name	OJ991019_19.0306.C6.o2.gs	Method	GENSCAN
Start	2570	End	4788
GI	none	Score	.79
Exons	2570..3690, 3797..3971, 4030..4175, 4261..4333, 4428..4526, 4606..4788		

Seq. No.	46062	Seq. ID	OJ991019_19.0306.C6
Gene No.	97617	Strand	+
Start	5083	End	6504
Name	OJ991019_19.0306.C6.o1.tw	Method	TBLASTX:Wheat
Start	1667	End	2072
GI	none	Score	64
Exons	1667..1939, 1669..1809, 1671..1907, 1847..1915, 1902..2072, 1955..2071		

Seq. No.	46062	Seq. ID	OJ991019_19.0306.C6
Gene No.	97617	Strand	+

Start	5083	End	6504
Name	OJ991019_19.0306.C6.o2.tw	Method	TBLASTX:Wheat
Start	2073	End	2770
GI	none	Score	61
Exons	2073..2153, 2394..2468, 2551..2649, 2552..2770		

Seq. No.	46062	Seq. ID	OJ991019_19.0306.C6
Gene No.	97617	Strand	+
Start	5083	End	6504
Name	OJ991019_19.0306.C6.o3.gs	Method	GENSCAN
Start	5083	End	6504
GI	none	Score	.76
Exons	5083..5134, 6380..6504		

Seq. No.	46063	Seq. ID	OJ991019_19.0306.C7
Gene No.	97618	Strand	+
Start	485	End	1604
Name	OJ991019_19.0306.C7.o1.np	Method	AAT/NAP
Start	485	End	1604
GI	6539570	Score	73
Exons	485..526, 1239..1395, 1539..1604		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	46063	Seq. ID	OJ991019_19.0306.C7
Gene No.	97619	Strand	+
Start	1704	End	1904
Name	OJ991019_19.0306.C7.o2.np	Method	AAT/NAP
Start	1704	End	1904
GI	6815052	Score	188
Exons	1704..1904		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	46064	Seq. ID	OJ991019_19.0306.C8
Gene No.	97620	Strand	+
Start	1	End	3599
Name	OJ991019_19.0306.C8.o1.np	Method	AAT/NAP
Start	1	End	3599
GI	6815052	Score	1149
Exons	1..63, 273..404, 684..782, 1637..1730, 2518..2661, 2710..3407, 3545..3599		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	46064	Seq. ID	OJ991019_19.0306.C8
Gene No.	97620	Strand	+
Start	1	End	3599
Name	OJ991019_19.0306.C8.o1.gs	Method	GENSCAN
Start	1849	End	3552
GI	none	Score	.78
Exons	1849..1999, 2408..3552		

Seq. No.	46064	Seq. ID	OJ991019_19.0306.C8
Gene No.	97621	Strand	-
Start	2389	End	3599
Name	OJ991019_19.0306.C8.o1.tw	Method	TBLASTX:Wheat
Start	1954	End	2448
GI	none	Score	88
Exons	1954..2133, 2157..2432, 2158..2448		

Seq. No.	46064	Seq. ID	OJ991019_19.0306.C8
Gene No.	97621	Strand	-
Start	2389	End	3599
Name	OJ991019_19.0306.C8.o2.np	Method	AAT/NAP
Start	2389	End	3599
GI	6815052	Score	74
Exons	2389..2408, 3508..3599		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	46065	Seq. ID	OJ991019_19.0306.C9
Gene No.	97622	Strand	+
Start	1	End	710
Name	OJ991019_19.0306.C9.o1.np	Method	AAT/NAP
Start	1	End	707
GI	6815052	Score	158
Exons	1..72, 588..707		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	46065	Seq. ID	OJ991019_19.0306.C9
Gene No.	97622	Strand	+
Start	1	End	710
Name	OJ991019_19.0306.C9.o1.gs	Method	GENSCAN
Start	163	End	710
GI	none	Score	.85
Exons	163..247, 589..710		

Seq. No.	46065	Seq. ID	OJ991019_19.0306.C9
Gene No.	97623	Strand	+
Start	5816	End	11720
Name	OJ991019_19.0306.C9.o2.np	Method	AAT/NAP
Start	5771	End	11717
GI	7485976	Score	967
Exons	5771..5851, 7842..7970, 8482..8563, 9211..9278, 9376..9480, 9633..9722, 9800..9875, 10110..10179, 10617..10687, 10763..10853, 11010..11204, 11575..11717		
GI Descrip.	hypothetical protein F22K18.90 - Arabidopsis thaliana gi|4220519|emb|CAA22992.1| (AL035356) putative protein binding protein [Arabidopsis thaliana] gi|7269322|emb|CAB79381.1| (AL161562) putative protein binding protein [Arabidopsis thaliana]		

Seq. No.	46065	Seq. ID	OJ991019_19.0306.C9
Gene No.	97623	Strand	+
Start	5816	End	11720
Name	OJ991019_19.0306.C9.o3.gs	Method	GENSCAN
Start	5816	End	6690
GI	none	Score	.94
Exons	5816..6248, 6302..6690		

Seq. No.	46065	Seq. ID	OJ991019_19.0306.C9
Gene No.	97623	Strand	+
Start	5816	End	11720
Name	OJ991019_19.0306.C9.o4.gs	Method	GENSCAN
Start	7395	End	11720
GI	none	Score	.8
Exons	7395..7777, 7907..7945, 8458..8564, 8650..8717, 8886..8915,		

9175..9278, 9376..9480, 9633..9722, 9800..9875, 10110..10179,
10617..10687, 11003..11137, 11580..11720

Seq. No.	46065	Seq. ID	OJ991019_19.0306.C9
Gene No.	97624	Strand	-
Start	1184	End	4441
Name	OJ991019_19.0306.C9.o2.gs	Method	GENSCAN
Start	1184	End	4441
GI	none	Score	.62
Exons	1184..1653, 1829..1883, 2340..2370, 2457..2730, 2738..2956, 3733..3909, 4420..4441		

Seq. No.	46065	Seq. ID	OJ991019_19.0306.C9
Gene No.	97624	Strand	-
Start	1184	End	4441
Name	OJ991019_19.0306.C9.o1.gp	Method	AAT/GAP
Start	4059	End	4233
GI	LIB3433-026-P1-K1-C1	Score	222
Exons	4059..4233		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	46065	Seq. ID	OJ991019_19.0306.C9
Gene No.	97625	Strand	-
Start	12433	End	14987
Name	OJ991019_19.0306.C9.o1.tc	Method	TBLASTX:Cress
Start	8648	End	9481
GI	none	Score	100
Exons	8648..8704, 8649..8720, 9223..9276, 9237..9278, 9374..9481, 9385..9480		

Seq. No.	46065	Seq. ID	OJ991019_19.0306.C9
Gene No.	97625	Strand	-
Start	12433	End	14987
Name	OJ991019_19.0306.C9.o2.ts	Method	TBLASTX:Soybean
Start	9190	End	9500
GI	none	Score	96
Exons	9190..9276, 9191..9277, 9223..9276, 9364..9477, 9377..9481, 9387..9500		

Seq. No.	46065	Seq. ID	OJ991019_19.0306.C9
Gene No.	97625	Strand	-
Start	12433	End	14987
Name	OJ991019_19.0306.C9.o5.gs	Method	GENSCAN
Start	12433	End	14203
GI	none	Score	.61
Exons	12433..12914, 13424..13563, 13664..14203		

Seq. No.	46065	Seq. ID	OJ991019_19.0306.C9
Gene No.	97625	Strand	-
Start	12433	End	14987
Name	OJ991019_19.0306.C9.o1.tm	Method	TBLASTX:Maize
Start	12527	End	13876
GI	none	Score	58
Exons	12527..12616, 12538..12618, 12568..12621, 12620..12706, 12627..12764, 12628..12777, 12768..12794, 12770..12793, 12773..12793, 12799..12837, 12825..12899, 12826..12885,		

12901..12975, 13425..13565, 13433..13480, 13437..13565,
13663..13737, 13674..13754, 13723..13875, 13735..13869,
13745..13876

Seq. No.	46065	Seq. ID	OJ991019_19.0306.C9
Gene No.	97625	Strand	-
Start	12433	End	14987
Name	OJ991019_19.0306.C9.o2.gp	Method	AAT/GAP
Start	12647	End	13780
GI	6325_1.R1084	Score	1120
Exons	12647..12977, 13424..13563, 13664..13780		
GI Descrip.	'4204281 7.0e-10 (AC004146) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	46065	Seq. ID	OJ991019_19.0306.C9
Gene No.	97625	Strand	-
Start	12433	End	14987
Name	OJ991019_19.0306.C9.o3.np	Method	AAT/NAP
Start	12655	End	14987
GI	4204281	Score	300
Exons	12655..12971, 13383..13563, 13664..14147, 14927..14987		
GI Descrip.	(AC004146) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46065	Seq. ID	OJ991019_19.0306.C9
Gene No.	97625	Strand	-
Start	12433	End	14987
Name	OJ991019_19.0306.C9.o1.tw	Method	TBLASTX:Wheat
Start	12750	End	13733
GI	none	Score	74
Exons	12750..12848, 12750..12848, 12750..12926, 12750..12848, 12750..12875, 12751..12852, 12751..12852, 12751..12939, 12760..12852, 12762..12848, 12790..12858, 13425..13565, 13426..13563, 13428..13565, 13462..13566, 13658..13699, 13659..13733, 13663..13731		

Seq. No.	46065	Seq. ID	OJ991019_19.0306.C9
Gene No.	97625	Strand	-
Start	12433	End	14987
Name	OJ991019_19.0306.C9.o1.ts	Method	TBLASTX:Soybean
Start	13442	End	14097
GI	none	Score	186
Exons	13442..13561, 13443..13565, 13648..14097		

Seq. No.	46065	Seq. ID	OJ991019_19.0306.C9
Gene No.	97625	Strand	-
Start	12433	End	14987
Name	OJ991019_19.0306.C9.o2.tm	Method	TBLASTX:Maize
Start	13957	End	14206
GI	none	Score	118
Exons	13957..14097, 13958..14083, 14097..14171, 14101..14175, 14103..14168, 14171..14206, 14174..14206		

Seq. No.	46065	Seq. ID	OJ991019_19.0306.C9
Gene No.	97625	Strand	-
Start	12433	End	14987
Name	OJ991019_19.0306.C9.o3.gp	Method	AAT/GAP
Start	14064	End	14211

GI	none	Score	260
Exons	14064..14211		

Seq. No.	46066	Seq. ID	OJ991019_19.0306.C10
Gene No.	97626	Strand	+
Start	34	End	768
Name	OJ991019_19.0306.C10.o1.gs	Method	GENSCAN
Start	34	End	768
GI	none	Score	.95
Exons	34..265, 614..768		

Seq. No.	46066	Seq. ID	OJ991019_19.0306.C10
Gene No.	97627	Strand	-
Start	1064	End	2907
Name	OJ991019_19.0306.C10.o1.gp	Method	AAT/GAP
Start	977	End	1745
GI	12622_1.R1084	Score	821
Exons	977..1338, 1648..1745		
GI Descrip.	'3790188/emb|CAA74776| 2.0e-87 (Y14431) NAD-dependent isocitrate dehydrogenase [Nicotiana tabacum]'		

Seq. No.	46066	Seq. ID	OJ991019_19.0306.C10
Gene No.	97627	Strand	-
Start	1064	End	2907
Name	OJ991019_19.0306.C10.o1.tm	Method	TBLASTX:Maize
Start	1005	End	1685
GI	none	Score	392
Exons	1005..1274, 1008..1340, 1054..1344, 1058..1339, 1300..1344, 1644..1685		

Seq. No.	46066	Seq. ID	OJ991019_19.0306.C10
Gene No.	97627	Strand	-
Start	1064	End	2907
Name	OJ991019_19.0306.C10.o1.tc	Method	TBLASTX:Cress
Start	1061	End	2907
GI	none	Score	325
Exons	1061..1339, 1068..1340, 1177..1344, 1640..1726, 1646..1717, 1647..1739, 1701..1727, 2639..2899, 2650..2799, 2655..2897, 2833..2907		

Seq. No.	46066	Seq. ID	OJ991019_19.0306.C10
Gene No.	97627	Strand	-
Start	1064	End	2907
Name	OJ991019_19.0306.C10.o1.ts	Method	TBLASTX:Soybean
Start	1064	End	2899
GI	none	Score	328
Exons	1064..1339, 1068..1340, 1174..1341, 1640..1726, 1646..1717, 2639..2899, 2655..2897		

Seq. No.	46066	Seq. ID	OJ991019_19.0306.C10
Gene No.	97627	Strand	-
Start	1064	End	2907
Name	OJ991019_19.0306.C10.o2.gs	Method	GENSCAN
Start	1064	End	2896
GI	none	Score	.79
Exons	1064..1338, 1648..1726, 2657..2896		

Seq. No.	46066	Seq. ID	OJ991019_19.0306.C10
Gene No.	97627	Strand	-
Start	1064	End	2907
Name	OJ991019_19.0306.C10.o1.np	Method	AAT/NAP
Start	1067	End	2896
GI	3790188	Score	842
Exons	1067..1338, 1648..1726, 2657..2896		
GI Descrip.	(Y14431) NAD-dependent isocitrate dehydrogenase [Nicotiana tabacum]		

Seq. No.	46066	Seq. ID	OJ991019_19.0306.C10
Gene No.	97627	Strand	-
Start	1064	End	2907
Name	OJ991019_19.0306.C10.o1.tw	Method	TBLASTX:Wheat
Start	1083	End	2737
GI	none	Score	97
Exons	1083..1259, 1085..1252, 2696..2737		

Seq. No.	46066	Seq. ID	OJ991019_19.0306.C10
Gene No.	97627	Strand	-
Start	1064	End	2907
Name	OJ991019_19.0306.C10.o2.tm	Method	TBLASTX:Maize
Start	1691	End	2907
GI	none	Score	381
Exons	1691..1726, 2639..2902, 2655..2903, 2656..2907		

Seq. No.	46067	Seq. ID	OJ991019_19.0306.C11
Gene No.	97628	Strand	+
Start	6715	End	7337
Name	OJ991019_19.0306.C11.o3.gs	Method	GENSCAN
Start	6715	End	7337
GI	none	Score	.78
Exons	6715..6846, 7278..7337		

Seq. No.	46067	Seq. ID	OJ991019_19.0306.C11
Gene No.	97629	Strand	+
Start	12344	End	14132
Name	OJ991019_19.0306.C11.o5.np	Method	AAT/NAP
Start	12344	End	14132
GI	7339707	Score	76
Exons	12344..12622, 12655..13098, 13377..13578, 13668..13719, 13754..13887, 13979..14132		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	46067	Seq. ID	OJ991019_19.0306.C11
Gene No.	97630	Strand	-
Start	1	End	305
Name	OJ991019_19.0306.C11.o1.gp	Method	AAT/GAP
Start	1	End	305
GI	31524_1.R1084	Score	598
Exons	1..305		
GI Descrip.	'3790188/emb|CAA74776| 4.0e-33 (Y14431) NAD-dependent isocitrate dehydrogenase [Nicotiana tabacum]'		

Seq. No.	46067	Seq. ID	OJ991019_19.0306.C11
Gene No.	97630	Strand	-
Start	1	End	305

Name	OJ991019_19.0306.C11.o1.np	Method	AAT/NAP
Start	1	End	181
GI	3790188	Score	179
Exons	1..181		
GI Descrip.	(Y14431) NAD-dependent isocitrate dehydrogenase [Nicotiana tabacum]		

Seq. No.	46067	Seq. ID	OJ991019_19.0306.C11
Gene No.	97631	Strand	-
Start	3892	End	4753
Name	OJ991019_19.0306.C11.o2.gs	Method	GENSCAN
Start	3892	End	4711
GI	none	Score	.85
Exons	3892..4328, 4444..4711		

Seq. No.	46067	Seq. ID	OJ991019_19.0306.C11
Gene No.	97631	Strand	-
Start	3892	End	4753
Name	OJ991019_19.0306.C11.o2.gp	Method	AAT/GAP
Start	4340	End	4753
GI	none	Score	782
Exons	4340..4753		

Seq. No.	46067	Seq. ID	OJ991019_19.0306.C11
Gene No.	97632	Strand	-
Start	7899	End	13606
Name	OJ991019_19.0306.C11.o4.gs	Method	GENSCAN
Start	7899	End	13589
GI	none	Score	.43
Exons	7899..7950, 8993..9192, 9290..9445, 9634..9861, 11122..11237, 11579..11761, 12366..12996, 13368..13589		

Seq. No.	46067	Seq. ID	OJ991019_19.0306.C11
Gene No.	97632	Strand	-
Start	7899	End	13606
Name	OJ991019_19.0306.C11.o3.np	Method	AAT/NAP
Start	8827	End	10417
GI	5803254	Score	889
Exons	8827..9192, 9287..9445, 9634..10417		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	46067	Seq. ID	OJ991019_19.0306.C11
Gene No.	97632	Strand	-
Start	7899	End	13606
Name	OJ991019_19.0306.C11.o3.gp	Method	AAT/GAP
Start	11550	End	11916
GI	571591	Score	642
Exons	11550..11916		

Seq. No.	46067	Seq. ID	OJ991019_19.0306.C11
Gene No.	97632	Strand	-
Start	7899	End	13606
Name	OJ991019_19.0306.C11.o4.np	Method	AAT/NAP
Start	11736	End	13606
GI	5852085	Score	478

Exons	11736..11843, 12616..13007, 13484..13606		
GI Descrip.	(AL117264) zwh0008.1 [Oryza sativa]		
Seq. No.	46067	Seq. ID	OJ991019_19.0306.C11
Gene No.	97633	Strand	-
Start	14013	End	15383
Name	OJ991019_19.0306.C11.o5.gs	Method	GENSCAN
Start	14013	End	15383
GI	none	Score	.97
Exons	14013..14143, 14490..14603, 15371..15383		
Seq. No.	46067	Seq. ID	OJ991019_19.0306.C11
Gene No.	97634	Strand	-
Start	18061	End	19349
Name	OJ991019_19.0306.C11.o6.gs	Method	GENSCAN
Start	18061	End	19349
GI	none	Score	.84
Exons	18061..18066, 18795..18946, 19307..19349		
Seq. No.	46067	Seq. ID	OJ991019_19.0306.C11
Gene No.	97635	Strand	-
Start	19307	End	19391
Name	OJ991019_19.0306.C11.o4.gp	Method	AAT/GAP
Start	19307	End	19391
GI	none	Score	119
Exons	19307..19391		
Seq. No.	46067	Seq. ID	OJ991019_19.0306.C11
Gene No.	97636	Strand	-
Start	20904	End	21103
Name	OJ991019_19.0306.C11.o3.tm	Method	TBLASTX:Maize
Start	2	End	181
GI	none	Score	127
Exons	2..181, 3..98		
Seq. No.	46067	Seq. ID	OJ991019_19.0306.C11
Gene No.	97636	Strand	-
Start	20904	End	21103
Name	OJ991019_19.0306.C11.o1.tm	Method	TBLASTX:Maize
Start	8728	End	9147
GI	none	Score	39
Exons	8728..8766, 8728..8766, 8729..8767, 8779..8916, 8783..8956, 8785..8946, 8949..9065, 8950..9147, 8957..9145, 9007..9147		
Seq. No.	46067	Seq. ID	OJ991019_19.0306.C11
Gene No.	97636	Strand	-
Start	20904	End	21103
Name	OJ991019_19.0306.C11.o2.tm	Method	TBLASTX:Maize
Start	9287	End	10009
GI	none	Score	171
Exons	9287..9445, 9287..9445, 9289..9453, 9631..9789, 9633..9758, 9637..9792, 9651..9812, 9782..9970, 9782..9958, 9783..9971, 9787..9966, 9971..10009		
Seq. No.	46067	Seq. ID	OJ991019_19.0306.C11
Gene No.	97636	Strand	-
Start	20904	End	21103

Name	OJ991019_19.0306.C11.o7.gs	Method	GENSCAN
Start	20904	End	21103
GI	none	Score	.44
Exons	20904..21103		

Seq. No.	46068	Seq. ID	OJ991019_19.0306.C12
Gene No.	97637	Strand	-
Start	442	End	3485
Name	OJ991019_19.0306.C12.o1.gs	Method	GENSCAN
Start	442	End	3466
GI	none	Score	.78
Exons	442..762, 1187..1404, 1468..1850, 1908..1930, 2046..2147, 2194..2301, 2394..2655, 2760..3058, 3137..3255, 3328..3466		

Seq. No.	46068	Seq. ID	OJ991019_19.0306.C12
Gene No.	97637	Strand	-
Start	442	End	3485
Name	OJ991019_19.0306.C12.o1.np	Method	AAT/NAP
Start	442	End	3485
GI	7228438	Score	1096
Exons	442..863, 2151..2301, 2397..2655, 2760..3058, 3137..3485		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	46068	Seq. ID	OJ991019_19.0306.C12
Gene No.	97637	Strand	-
Start	442	End	3485
Name	OJ991019_19.0306.C12.o1.gp	Method	AAT/GAP
Start	1723	End	2146
GI	LIB3433-020-P1-K1-A6	Score	647
Exons	1723..2146		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	46069	Seq. ID	OJ991019_19.0306.C13
Gene No.	97638	Strand	-
Start	495	End	3699
Name	OJ991019_19.0306.C13.o1.np	Method	AAT/NAP
Start	495	End	3699
GI	7228442	Score	2862
Exons	495..676, 1068..3699		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	46069	Seq. ID	OJ991019_19.0306.C13
Gene No.	97638	Strand	-
Start	495	End	3699
Name	OJ991019_19.0306.C13.o1.tw	Method	TBLASTX:Wheat
Start	2008	End	2384
GI	none	Score	66
Exons	2008..2181, 2019..2159, 2114..2182, 2206..2361, 2231..2323, 2313..2384, 2313..2381		

Seq. No.	46069	Seq. ID	OJ991019_19.0306.C13
Gene No.	97638	Strand	-

Start	495	End	3699
Name	OJ991019_19.0306.C13.o1.tm	Method	TBLASTX:Maize
Start	2083	End	2677
GI	none	Score	47
Exons	2083..2154, 2201..2308, 2212..2310, 2313..2642, 2314..2640, 2648..2677		

Seq. No.	46070	Seq. ID	OJ991019_19.0306.C14
Gene No.	97639	Strand	+
Start	386	End	7291
Name	OJ991019_19.0306.C14.o1.gs	Method	GENSCAN
Start	386	End	7291
GI	none	Score	.63
Exons	386..512, 949..1067, 2335..2562, 2751..2906, 3003..3205, 5906..6050, 6225..6668, 6696..7069, 7087..7291		

Seq. No.	46070	Seq. ID	OJ991019_19.0306.C14
Gene No.	97639	Strand	+
Start	386	End	7291
Name	OJ991019_19.0306.C14.o1.np	Method	AAT/NAP
Start	1777	End	3371
GI	5803254	Score	894
Exons	1777..2562, 2751..2906, 3003..3371		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	46070	Seq. ID	OJ991019_19.0306.C14
Gene No.	97640	Strand	-
Start	1364	End	6192
Name	OJ991019_19.0306.C14.o2.np	Method	AAT/NAP
Start	1364	End	6192
GI	3668090	Score	90
Exons	1364..1399, 4566..4665, 4845..5070, 6161..6192		
GI Descrip.	(AC004667) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46070	Seq. ID	OJ991019_19.0306.C14
Gene No.	97641	Strand	-
Start	7843	End	8264
Name	OJ991019_19.0306.C14.o2.tm	Method	TBLASTX:Maize
Start	2004	End	2366
GI	none	Score	55
Exons	2004..2045, 2005..2046, 2005..2082, 2007..2057, 2048..2362, 2049..2351, 2049..2366, 2050..2355		

Seq. No.	46070	Seq. ID	OJ991019_19.0306.C14
Gene No.	97641	Strand	-
Start	7843	End	8264
Name	OJ991019_19.0306.C14.o3.tm	Method	TBLASTX:Maize
Start	2371	End	3048
GI	none	Score	62
Exons	2371..2412, 2371..2409, 2384..2545, 2409..2564, 2422..2553, 2743..2907, 2751..2909, 2751..2912, 3025..3048		

Seq. No.	46070	Seq. ID	OJ991019_19.0306.C14
Gene No.	97641	Strand	-
Start	7843	End	8264

Name	OJ991019_19.0306.C14.o1.tm	Method	TBLASTX:Maize
Start	3051	End	3470
GI	none	Score	217
Exons	3051..3248, 3051..3191, 3053..3241, 3139..3249, 3242..3361, 3247..3342, 3250..3414, 3251..3415, 3252..3416, 3252..3419, 3428..3466, 3432..3470		

Seq. No.	46070	Seq. ID	OJ991019_19.0306.C14
Gene No.	97641	Strand	-
Start	7843	End	8264
Name	OJ991019_19.0306.C14.o2.gs	Method	GENSCAN
Start	7843	End	8264
GI	none	Score	.53
Exons	7843..8065, 8098..8264		

Seq. No.	46071	Seq. ID	OJ991019_19.0306.C15
Gene No.	97642	Strand	+
Start	6313	End	9774
Name	OJ991019_19.0306.C15.o1.np	Method	AAT/NAP
Start	6313	End	9398
GI	6739515	Score	1616
Exons	6313..7280, 8150..8551, 9377..9398		
GI Descrip.	(AF136004) eukaryotic initiation factor 4B [Triticum aestivum]		

Seq. No.	46071	Seq. ID	OJ991019_19.0306.C15
Gene No.	97642	Strand	+
Start	6313	End	9774
Name	OJ991019_19.0306.C15.o1.tm	Method	TBLASTX:Maize
Start	6580	End	9664
GI	none	Score	44
Exons	6580..6630, 6585..6746, 6586..6747, 6617..6754, 6625..6729, 6695..6838, 6739..7281, 6774..6854, 6852..6869, 6918..7049, 6926..6961, 6930..7280, 8148..8249, 8162..8239, 8229..8396, 8256..8387, 8258..8410, 8266..8415, 8273..8416, 8427..8486, 8429..8551, 8434..8553, 8434..8550, 8487..8558, 9375..9434, 9375..9428, 9431..9484, 9447..9485, 9543..9611, 9602..9664, 9605..9664		

Seq. No.	46071	Seq. ID	OJ991019_19.0306.C15
Gene No.	97642	Strand	+
Start	6313	End	9774
Name	OJ991019_19.0306.C15.o1.tc	Method	TBLASTX:Cress
Start	6868	End	7263
GI	none	Score	159
Exons	6868..7053, 6936..7046, 7150..7212, 7170..7211, 7174..7263, 7182..7262		

Seq. No.	46071	Seq. ID	OJ991019_19.0306.C15
Gene No.	97642	Strand	+
Start	6313	End	9774
Name	OJ991019_19.0306.C15.o2.gp	Method	AAT/GAP
Start	7163	End	8266
GI	3106543	Score	314
Exons	7163..7281, 8152..8266		

Seq. No.	46071	Seq. ID	OJ991019_19.0306.C15
Gene No.	97642	Strand	+

Start	6313	End	9774
Name	OJ991019_19.0306.C15.o3.gp	Method	AAT/GAP
Start	8500	End	9774
GI	none	Score	831
Exons	8500..8551, 9377..9774		

Seq. No.	46072	Seq. ID	OJ991019_19.0306.C16
Gene No.	97643	Strand	+
Start	3092	End	3334
Name	OJ991019_19.0306.C16.o2.gp	Method	AAT/GAP
Start	3092	End	3334
GI	uC-osflcyp121b06b1	Score	246
Exons	3092..3232, 3310..3334		
GI Descrip.	'3702314 6.0e-26 (AC002535) similar to SWI/SNF complex subunit BAF170 [Arabidopsis thaliana]'		

Seq. No.	46072	Seq. ID	OJ991019_19.0306.C16
Gene No.	97644	Strand	-
Start	22	End	3288
Name	OJ991019_19.0306.C16.o1.np	Method	AAT/NAP
Start	22	End	633
GI	7485975	Score	255
Exons	22..633		
GI Descrip.	hypothetical protein F22K18.80 - Arabidopsis thaliana gi|4220518|emb|CAA22991.1| (AL035356) hypothetical protein [Arabidopsis thaliana] gi|7269323|emb|CAB79382.1| (AL161562) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46072	Seq. ID	OJ991019_19.0306.C16
Gene No.	97644	Strand	-
Start	22	End	3288
Name	OJ991019_19.0306.C16.o1.tw	Method	TBLASTX:Wheat
Start	26	End	288
GI	none	Score	171
Exons	26..283, 115..288, 181..288		

Seq. No.	46072	Seq. ID	OJ991019_19.0306.C16
Gene No.	97644	Strand	-
Start	22	End	3288
Name	OJ991019_19.0306.C16.o1.gs	Method	GENSCAN
Start	31	End	3288
GI	none	Score	.67
Exons	31..497, 863..1037, 1204..1329, 3073..3288		

Seq. No.	46072	Seq. ID	OJ991019_19.0306.C16
Gene No.	97644	Strand	-
Start	22	End	3288
Name	OJ991019_19.0306.C16.o1.ts	Method	TBLASTX:Soybean
Start	172	End	498
GI	none	Score	84
Exons	172..273, 173..274, 271..402, 321..386, 451..498		

Seq. No.	46072	Seq. ID	OJ991019_19.0306.C16
Gene No.	97644	Strand	-
Start	22	End	3288
Name	OJ991019_19.0306.C16.o1.gp	Method	AAT/GAP
Start	229	End	1033

GI	286865	Score	777
Exons	229..497, 863..1033		

Seq. No.	46073	Seq. ID	OJ991019_19.0306.C17
Gene No.	97645	Strand	+
Start	14	End	2561
Name	OJ991019_19.0306.C17.o1.np	Method	AAT/NAP
Start	14	End	2561
GI	7487575	Score	479
Exons	14..616, 1457..1856, 2517..2561		
GI Descrip.	hypothetical protein T30B22.7 - Arabidopsis thaliana gi|6598454|gb|AAC63618.2| (AC005309) putative SWI/SNF family transcription activator [Arabidopsis thaliana]		

Seq. No.	46073	Seq. ID	OJ991019_19.0306.C17
Gene No.	97645	Strand	+
Start	14	End	2561
Name	OJ991019_19.0306.C17.o1.tc	Method	TBLASTX:Cress
Start	65	End	346
GI	none	Score	72
Exons	65..133, 82..138, 173..346, 181..342		

Seq. No.	46073	Seq. ID	OJ991019_19.0306.C17
Gene No.	97645	Strand	+
Start	14	End	2561
Name	OJ991019_19.0306.C17.o1.gp	Method	AAT/GAP
Start	81	End	434
GI	uC-osf1cyp121b06b1	Score	641
Exons	81..434		
GI Descrip.	'3702314 6.0e-26 (AC002535) similar to SWI/SNF complex subunit BAF170 [Arabidopsis thaliana]'		

Seq. No.	46073	Seq. ID	OJ991019_19.0306.C17
Gene No.	97645	Strand	+
Start	14	End	2561
Name	OJ991019_19.0306.C17.o1.gs	Method	GENSCAN
Start	81	End	2331
GI	none	Score	.88
Exons	81..616, 1457..1942, 2039..2202, 2270..2331		

Seq. No.	46073	Seq. ID	OJ991019_19.0306.C17
Gene No.	97645	Strand	+
Start	14	End	2561
Name	OJ991019_19.0306.C17.o1.ts	Method	TBLASTX:Soybean
Start	83	End	451
GI	none	Score	73
Exons	83..133, 85..138, 172..339, 173..343, 416..451		

Seq. No.	46073	Seq. ID	OJ991019_19.0306.C17
Gene No.	97645	Strand	+
Start	14	End	2561
Name	OJ991019_19.0306.C17.o2.gp	Method	AAT/GAP
Start	501	End	1773
GI	LIB3475-005-P1-K1-C3	Score	834
Exons	501..616, 1457..1773		
GI Descrip.	'3702314 1.0e-26 (AC002535) similar to SWI/SNF complex subunit BAF170 [Arabidopsis thaliana]'		

Seq. No.	46073	Seq. ID	OJ991019_19.0306.C17
Gene No.	97645	Strand	+
Start	14	End	2561
Name	OJ991019_19.0306.C17.o1.tm	Method	TBLASTX:Maize
Start	1831	End	2202
GI	none	Score	101
Exons	1831..1941, 1831..1941, 1832..1945, 2012..2191, 2036..2200, 2095..2202, 2115..2201		

Seq. No.	46074	Seq. ID	OJ991019_19.0306.C18
Gene No.	97646	Strand	+
Start	1	End	1169
Name	OJ991019_19.0306.C18.o1.np	Method	AAT/NAP
Start	1	End	1142
GI	7487575	Score	180
Exons	1..55, 124..251, 969..1142		
GI Descrip.	hypothetical protein T30B22.7 - Arabidopsis thaliana gi|6598454|gb|AAC63618.2| (AC005309) putative SWI/SNF family transcription activator [Arabidopsis thaliana]		

Seq. No.	46074	Seq. ID	OJ991019_19.0306.C18
Gene No.	97646	Strand	+
Start	1	End	1169
Name	OJ991019_19.0306.C18.o1.gs	Method	GENSCAN
Start	97	End	1169
GI	none	Score	.66
Exons	97..251, 969..1169		

Seq. No.	46074	Seq. ID	OJ991019_19.0306.C18
Gene No.	97647	Strand	+
Start	2286	End	2575
Name	OJ991019_19.0306.C18.o2.gs	Method	GENSCAN
Start	2286	End	2575
GI	none	Score	.91
Exons	2286..2575		

Seq. No.	46074	Seq. ID	OJ991019_19.0306.C18
Gene No.	97648	Strand	-
Start	94	End	492
Name	OJ991019_19.0306.C18.o1.gp	Method	AAT/GAP
Start	94	End	492
GI	LIB3434-038-P1-K1-B4	Score	267
Exons	94..258, 469..492		
GI Descrip.	'3738276 6.0e-12 (AC005309) similar to SWI/SNF complex subunit BAF170, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	46074	Seq. ID	OJ991019_19.0306.C18
Gene No.	97649	Strand	
Start	2363	End	2567
Name	OJ991019_19.0306.C18.o1.ts	Method	TBLASTX:Soybean
Start	2363	End	2567
GI	none	Score	196
Exons	2363..2455, 2364..2567		

Seq. No.	46075	Seq. ID	OJ991019_19.0306.C21
Gene No.	97650	Strand	+

Start	1	End	3489
Name	OJ991019_19.0306.C21.o1.np	Method	AAT/NAP
Start	1	End	3489
GI	6680101	Score	61
Exons	1..55, 2742..2986, 3317..3489		
GI Descrip.	glutamate receptor, ionotropic, NMDA2D (epsilon 4) gi|6093513|sp|Q03391|NME4_MOUSE GLUTAMATE [NMDA] RECEPTOR SUBUNIT EPSILON 4 PRECURSOR (N-METHYL D-ASPARTATE RECEPTOR SUBTYPE 2D) (NR2D) (NMDAR2D) gi|2160438|dbj|BAA02254.1| (D12822) glutamate receptor channel subunit epsilon 4 [Mus musculus]		

Seq. No.	46075	Seq. ID	OJ991019_19.0306.C21
Gene No.	97651	Strand	-
Start	5029	End	7089
Name	OJ991019_19.0306.C21.o2.gs	Method	GENSCAN
Start	5029	End	7089
GI	none	Score	.65
Exons	5029..5036, 5666..5901, 6094..6239, 6959..7089		

Seq. No.	46075	Seq. ID	OJ991019_19.0306.C21
Gene No.	97651	Strand	-
Start	5029	End	7089
Name	OJ991019_19.0306.C21.o1.tm	Method	TBLASTX:Maize
Start	6806	End	7087
GI	none	Score	108
Exons	6806..6904, 6903..7052, 6909..7052, 6914..7087, 6926..7054		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97652	Strand	+
Start	1	End	2409
Name	OJ991019_19.0306.C22.o1.np	Method	AAT/NAP
Start	1	End	2149
GI	6175149	Score	484
Exons	1..438, 754..843, 1305..1570, 1985..2149		
GI Descrip.	(AC010796) hypothetical protein [Arabidopsis thaliana] gi|6453898|gb|AAF09081.1|AC011663_17 (AC011663) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97652	Strand	+
Start	1	End	2409
Name	OJ991019_19.0306.C22.o1.gs	Method	GENSCAN
Start	80	End	2234
GI	none	Score	.59
Exons	80..438, 754..887, 1388..1570, 1985..1996, 2115..2234		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97652	Strand	+
Start	1	End	2409
Name	OJ991019_19.0306.C22.o1.gp	Method	AAT/GAP
Start	332	End	2409
GI	none	Score	1813
Exons	332..438, 662..887, 1388..1570, 1985..2409		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97653	Strand	+
Start	8919	End	9326

Name	OJ991019_19.0306.C22.o3.gs	Method	GENSCAN
Start	8919	End	9326
GI	none	Score	.92
Exons	8919..9326		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97654	Strand	+
Start	13546	End	26453
Name	OJ991019_19.0306.C22.o5.gs	Method	GENSCAN
Start	13546	End	26453
GI	none	Score	.56
Exons	13546..13609, 14106..14229, 14258..14417, 15999..16103, 16643..16994, 17323..17379, 17544..17645, 17999..18075, 18184..18307, 20232..20307, 20434..20524, 22589..22747, 24067..26161, 26284..26453		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97654	Strand	+
Start	13546	End	26453
Name	OJ991019_19.0306.C22.o4.gp	Method	AAT/GAP
Start	16758	End	17628
GI	286391	Score	526
Exons	16758..16951, 17323..17379, 17544..17628		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97654	Strand	+
Start	13546	End	26453
Name	OJ991019_19.0306.C22.o5.gp	Method	AAT/GAP
Start	22598	End	24375
GI	none	Score	1045
Exons	22598..22833, 24067..24375		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97654	Strand	+
Start	13546	End	26453
Name	OJ991019_19.0306.C22.o3.np	Method	AAT/NAP
Start	23397	End	26127
GI	5903066	Score	805
Exons	23397..23460, 24029..25959, 26015..26127		
GI Descrip.	(AC008016) F6D8.26 [Arabidopsis thaliana]		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97654	Strand	+
Start	13546	End	26453
Name	OJ991019_19.0306.C22.o6.gp	Method	AAT/GAP
Start	25267	End	25692
GI	20940_1.R1084	Score	794
Exons	25267..25692		
GI Descrip.	'4467124/emb|CAB37558| 9.0e-17 (AL035538) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97655	Strand	+
Start	29327	End	29517
Name	OJ991019_19.0306.C22.o4.np	Method	AAT/NAP
Start	29327	End	29517
GI	6016874	Score	120

Exons	29327..29517		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97656	Strand	-
Start	2958	End	7035
Name	OJ991019_19.0306.C22.o5.tm	Method	TBLASTX:Maize
Start	1984	End	2178
GI	none	Score	166
Exons	1984..2100, 1985..2098, 1985..2101, 2101..2178, 2102..2152		
Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97656	Strand	-
Start	2958	End	7035
Name	OJ991019_19.0306.C22.o2.gp	Method	AAT/GAP
Start	2958	End	4727
GI	18001_1.R1084	Score	1912
Exons	2958..3342, 3492..3573, 3660..3928, 4224..4364, 4591..4727		
GI Descrip.	'5230728/gb|AAD40979.1|AF089851_1 1.0e-113 (AF089851) peroxisomal copper-containing amine oxidase [Glycine max]'		
Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97656	Strand	-
Start	2958	End	7035
Name	OJ991019_19.0306.C22.o1.tm	Method	TBLASTX:Maize
Start	3076	End	5982
GI	none	Score	178
Exons	3076..3117, 3143..3199, 3187..3342, 3209..3343, 3477..3587, 3492..3572, 3493..3606, 3493..3573, 3494..3586, 3656..3928, 3657..3929, 3658..3957, 4218..4367, 4218..4370, 4220..4375, 4226..4399, 4535..4777, 4587..4778, 4588..4779, 4588..4776, 5024..5275, 5026..5283, 5026..5262, 5133..5264, 5332..5565, 5343..5561, 5345..5590, 5347..5592, 5348..5596, 5656..5982, 5657..5932		
Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97656	Strand	-
Start	2958	End	7035
Name	OJ991019_19.0306.C22.o1.ts	Method	TBLASTX:Soybean
Start	3220	End	7029
GI	none	Score	88
Exons	3220..3258, 3259..3342, 3260..3343, 3492..3572, 3493..3573, 3656..3925, 3656..3928, 3657..3929, 4218..4370, 4219..4332, 4224..4367, 4588..4776, 4589..4777, 5024..5266, 5026..5292, 5026..5262, 5130..5264, 5343..5561, 5345..5590, 5415..5579, 5656..5985, 5657..5929, 5816..5986, 6090..6140, 6096..6140, 6132..6209, 6133..6210, 6133..6210, 6531..6665, 6531..6833, 6577..6831, 6696..6842, 6912..7028, 6916..7029		
Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97656	Strand	-
Start	2958	End	7035
Name	OJ991019_19.0306.C22.o2.gs	Method	GENSCAN
Start	3223	End	7034
GI	none	Score	.89

Exons	3223..3342, 3492..3573, 3660..3928, 4224..4364, 4591..4776, 5026..5262, 5345..5560, 5656..5986, 6097..6209, 6918..7034		
Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97656	Strand	-
Start	2958	End	7035
Name	OJ991019_19.0306.C22.o2.np	Method	AAT/NAP
Start	3226	End	7016
GI	5230728	Score	2896
Exons	3226..3342, 3492..3573, 3660..3928, 4224..4364, 4591..4776, 5026..5262, 5345..5560, 5656..5986, 6097..6209, 6531..6832, 6914..7016		
GI Descrip.	(AF089851) peroxisomal copper-containing amine oxidase [Glycine max]		
Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97656	Strand	-
Start	2958	End	7035
Name	OJ991019_19.0306.C22.o3.tc	Method	TBLASTX:Cress
Start	3698	End	5116
GI	none	Score	85
Exons	3698..3751, 3767..3805, 3781..3927, 3801..3926, 3803..3928, 3804..3929, 4218..4370, 4221..4367, 4535..4780, 4588..4776, 4589..4804, 5024..5101, 5026..5115, 5030..5116		
Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97656	Strand	-
Start	2958	End	7035
Name	OJ991019_19.0306.C22.o4.tw	Method	TBLASTX:Wheat
Start	3710	End	4620
GI	none	Score	310
Exons	3710..3928, 3711..3929, 3715..3954, 4218..4370, 4219..4335, 4223..4375, 4588..4620		
Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97656	Strand	-
Start	2958	End	7035
Name	OJ991019_19.0306.C22.o5.tw	Method	TBLASTX:Wheat
Start	4621	End	5067
GI	none	Score	246
Exons	4621..4779, 4621..4776, 4623..4778, 4625..4804, 5025..5066, 5026..5067, 5026..5067		
Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97656	Strand	-
Start	2958	End	7035
Name	OJ991019_19.0306.C22.o3.gp	Method	AAT/GAP
Start	5086	End	5864
GI	30433_1.R1084	Score	1124
Exons	5086..5262, 5345..5560, 5656..5864		
GI Descrip.	'4559342/gb|AAD23004.1|AC007087_23 1.0e-104 (AC007087) putative copper methylamine oxidase [Arabidopsis thaliana]'		
Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97656	Strand	-
Start	2958	End	7035
Name	OJ991019_19.0306.C22.o1.tc	Method	TBLASTX:Cress

Start	5161	End	5725
GI	none	Score	140
Exons	5161..5262, 5162..5266, 5165..5263, 5343..5561, 5344..5565, 5345..5590, 5409..5579, 5656..5724, 5657..5725		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97656	Strand	-
Start	2958	End	7035
Name	OJ991019_19.0306.C22.o3.tw	Method	TBLASTX:Wheat
Start	5459	End	5934
GI	none	Score	107
Exons	5459..5590, 5460..5591, 5656..5934, 5657..5932		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97656	Strand	-
Start	2958	End	7035
Name	OJ991019_19.0306.C22.o2.tc	Method	TBLASTX:Cress
Start	6543	End	7035
GI	none	Score	236
Exons	6543..6845, 6577..6831, 6582..6845, 6912..7028, 6916..7035		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97657	Strand	
Start	17325	End	18628
Name	OJ991019_19.0306.C22.o4.tm	Method	TBLASTX:Maize
Start	17325	End	18628
GI	none	Score	65
Exons	17325..17381, 17525..17644, 17541..17648, 17549..17644, 17586..17645, 17988..18074, 17995..18084, 17998..18075, 18178..18306, 18183..18308, 18183..18302, 18547..18627, 18564..18626, 18566..18628		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97658	Strand	
Start	24325	End	24832
Name	OJ991019_19.0306.C22.o1.tw	Method	TBLASTX:Wheat
Start	24325	End	24832
GI	none	Score	603
Exons	24325..24660, 24327..24656, 24329..24658, 24655..24831, 24661..24831, 24665..24832		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97659	Strand	
Start	24837	End	25428
Name	OJ991019_19.0306.C22.o2.ts	Method	TBLASTX:Soybean
Start	24837	End	25389
GI	none	Score	313
Exons	24837..25190, 24838..25167, 25240..25389, 25255..25386		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97659	Strand	
Start	24837	End	25428
Name	OJ991019_19.0306.C22.o3.tm	Method	TBLASTX:Maize
Start	24876	End	25428
GI	none	Score	468
Exons	24876..25271, 24886..25428, 25293..25427		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97660	Strand	
Start	25419	End	25872
Name	OJ991019_19.0306.C22.o2.tw	Method	TBLASTX:Wheat
Start	25419	End	25815
GI	none	Score	505
Exons	25419..25814, 25420..25815, 25422..25814		

Seq. No.	46076	Seq. ID	OJ991019_19.0306.C22
Gene No.	97660	Strand	
Start	25419	End	25872
Name	OJ991019_19.0306.C22.o2.tm	Method	TBLASTX:Maize
Start	25434	End	25872
GI	none	Score	528
Exons	25434..25865, 25434..25871, 25435..25872		

Seq. No.	46077	Seq. ID	OJ991019_19.0306.C23
Gene No.	97661	Strand	+
Start	262	End	3153
Name	OJ991019_19.0306.C23.o1.np	Method	AAT/NAP
Start	262	End	3153
GI	3850588	Score	796
Exons	262..397, 1883..2887, 2995..3153		
GI Descrip.	(AC005278) Contains similarity to gb|AB011110 KIAA0538 protein from Homo sapiens brain and to phospholipid-binding domain C2 PF|00168. ESTs gb|AA585988 and gb|T04384 come from this gene. [Arabidopsis thaliana]		

Seq. No.	46077	Seq. ID	OJ991019_19.0306.C23
Gene No.	97661	Strand	+
Start	262	End	3153
Name	OJ991019_19.0306.C23.o2.tc	Method	TBLASTX:Cress
Start	2284	End	2598
GI	none	Score	204
Exons	2284..2595, 2452..2598		

Seq. No.	46077	Seq. ID	OJ991019_19.0306.C23
Gene No.	97661	Strand	+
Start	262	End	3153
Name	OJ991019_19.0306.C23.o2.ts	Method	TBLASTX:Soybean
Start	2298	End	2565
GI	none	Score	235
Exons	2298..2546, 2299..2565, 2422..2553		

Seq. No.	46077	Seq. ID	OJ991019_19.0306.C23
Gene No.	97661	Strand	+
Start	262	End	3153
Name	OJ991019_19.0306.C23.o1.tc	Method	TBLASTX:Cress
Start	2605	End	3053
GI	none	Score	206
Exons	2605..2889, 2667..2894, 2993..3049, 2994..3053		

Seq. No.	46077	Seq. ID	OJ991019_19.0306.C23
Gene No.	97661	Strand	+
Start	262	End	3153
Name	OJ991019_19.0306.C23.o1.ts	Method	TBLASTX:Soybean
Start	2641	End	3151

GI	none	Score	243
Exons	2641..2889, 2643..2918, 2993..3076, 2994..3092, 3074..3124, 3078..3107, 3107..3151		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1
Gene No.	97662	Strand	+
Start	510	End	2208
Name	OJ991029_15.0317.C1.o1.gs	Method	GENSCAN
Start	510	End	2208
GI	none	Score	.44
Exons	510..571, 2166..2208		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1
Gene No.	97663	Strand	+
Start	22983	End	24012
Name	OJ991029_15.0317.C1.o4.np	Method	AAT/NAP
Start	22983	End	24012
GI	7523502	Score	172
Exons	22983..23076, 23389..23543, 23742..23811, 23920..24012		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1
Gene No.	97664	Strand	-
Start	9408	End	12639
Name	OJ991029_15.0317.C1.o1.np	Method	AAT/NAP
Start	9408	End	12639
GI	4680203	Score	1615
Exons	9408..10259, 10538..10762, 10919..12639		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1
Gene No.	97665	Strand	-
Start	20152	End	21673
Name	OJ991029_15.0317.C1.o2.np	Method	AAT/NAP
Start	20152	End	21673
GI	7363272	Score	379
Exons	20152..20447, 20474..20846, 21547..21673		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1
Gene No.	97666	Strand	-
Start	22176	End	22331
Name	OJ991029_15.0317.C1.o3.np	Method	AAT/NAP
Start	22176	End	22331
GI	7363271	Score	119
Exons	22176..22331		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1
Gene No.	97667	Strand	-
Start	24553	End	24891
Name	OJ991029_15.0317.C1.o3.ts	Method	TBLASTX:Soybean
Start	9453	End	9665
GI	none	Score	86
Exons	9453..9665, 9507..9665		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1

Gene No.	97667	Strand	-
Start	24553	End	24891
Name	OJ991029_15.0317.C1.o1.tw	Method	TBLASTX:Wheat
Start	9513	End	10648
GI	none	Score	43
Exons	9513..9614, 9520..9579, 9630..9746, 9645..9704, 9723..9911, 9739..9921, 9945..10499, 10018..10503, 10517..10648		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1
Gene No.	97667	Strand	-
Start	24553	End	24891
Name	OJ991029_15.0317.C1.o4.tm	Method	TBLASTX:Maize
Start	9747	End	10037
GI	none	Score	91
Exons	9747..9854, 9748..9855, 9867..10037, 9868..10035		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1
Gene No.	97667	Strand	-
Start	24553	End	24891
Name	OJ991029_15.0317.C1.o1.tc	Method	TBLASTX:Cress
Start	9945	End	10355
GI	none	Score	129
Exons	9945..10355, 10018..10347		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1
Gene No.	97667	Strand	-
Start	24553	End	24891
Name	OJ991029_15.0317.C1.o1.tm	Method	TBLASTX:Maize
Start	10287	End	10672
GI	none	Score	184
Exons	10287..10499, 10288..10500, 10290..10502, 10493..10603, 10515..10604, 10604..10672		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1
Gene No.	97667	Strand	-
Start	24553	End	24891
Name	OJ991029_15.0317.C1.o2.tm	Method	TBLASTX:Maize
Start	11177	End	11662
GI	none	Score	74
Exons	11177..11266, 11181..11270, 11265..11315, 11270..11317, 11318..11365, 11462..11551, 11463..11555, 11558..11662, 11559..11654		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1
Gene No.	97667	Strand	-
Start	24553	End	24891
Name	OJ991029_15.0317.C1.o3.tw	Method	TBLASTX:Wheat
Start	11228	End	11563
GI	none	Score	65
Exons	11228..11266, 11276..11374, 11292..11375, 11403..11516, 11405..11518, 11522..11563		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1
Gene No.	97667	Strand	-
Start	24553	End	24891
Name	OJ991029_15.0317.C1.o2.tc	Method	TBLASTX:Cress
Start	11468	End	11800

GI	none	Score	82
Exons	11468..11800, 11523..11630, 11664..11702		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1
Gene No.	97667	Strand	-
Start	24553	End	24891
Name	OJ991029_15.0317.C1.o2.ts	Method	TBLASTX:Soybean
Start	11549	End	11824
GI	none	Score	120
Exons	11549..11824, 11550..11789		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1
Gene No.	97667	Strand	-
Start	24553	End	24891
Name	OJ991029_15.0317.C1.o2.tw	Method	TBLASTX:Wheat
Start	11564	End	12157
GI	none	Score	69
Exons	11564..11689, 11565..11672, 11711..11809, 11865..12155, 11867..12157		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1
Gene No.	97667	Strand	-
Start	24553	End	24891
Name	OJ991029_15.0317.C1.o1.ts	Method	TBLASTX:Soybean
Start	11867	End	12139
GI	none	Score	107
Exons	11867..12139, 11874..12122		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1
Gene No.	97667	Strand	-
Start	24553	End	24891
Name	OJ991029_15.0317.C1.o3.tm	Method	TBLASTX:Maize
Start	14987	End	15309
GI	none	Score	115
Exons	14987..15106, 14995..15105, 15018..15119, 15019..15153, 15171..15221, 15176..15307, 15177..15308, 15177..15308, 15268..15309		

Seq. No.	46078	Seq. ID	OJ991029_15.0317.C1
Gene No.	97667	Strand	-
Start	24553	End	24891
Name	OJ991029_15.0317.C1.o2.gp	Method	AAT/GAP
Start	24553	End	24891
GI	2442467	Score	595
Exons	24553..24891		

Seq. No.	46079	Seq. ID	OJ991029_15.0317.C9
Gene No.	97668	Strand	
Start	90	End	300
Name	OJ991029_15.0317.C9.o2.tm	Method	TBLASTX:Maize
Start	90	End	300
GI	none	Score	157
Exons	90..233, 115..231, 216..299, 222..299, 238..300		

Seq. No.	46079	Seq. ID	OJ991029_15.0317.C9
Gene No.	97669	Strand	
Start	409	End	619

Name	OJ991029_15.0317.C9.o1.tm	Method	TBLASTX:Maize
Start	409	End	619
GI	none	Score	93
Exons	409..537, 411..542, 415..555,	423..551,	550..618, 560..619

Seq. No.	46080	Seq. ID	OJ991029_15.0317.C13
Gene No.	97670	Strand	-
Start	1	End	722
Name	OJ991029_15.0317.C13.o1.np	Method	AAT/NAP
Start	1	End	722
GI	7339707	Score	120
Exons	1..31, 488..722		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	46081	Seq. ID	OJ991029_15.0317.C16
Gene No.	97671	Strand	-
Start	1013	End	1960
Name	OJ991029_15.0317.C16.o1.gs	Method	GENSCAN
Start	1013	End	1816
GI	none	Score	1
Exons	1013..1816		

Seq. No.	46081	Seq. ID	OJ991029_15.0317.C16
Gene No.	97671	Strand	-
Start	1013	End	1960
Name	OJ991029_15.0317.C16.o1.np	Method	AAT/NAP
Start	1058	End	1960
GI	1657615	Score	681
Exons	1058..1657, 1787..1960		
GI Descrip.	(U72502) G1p [Arabidopsis thaliana] gi|3068706|gb|AAC14406.1| (AF049236) putative transmembrane protein G1p [Arabidopsis thaliana]		

Seq. No.	46081	Seq. ID	OJ991029_15.0317.C16
Gene No.	97671	Strand	-
Start	1013	End	1960
Name	OJ991029_15.0317.C16.o1.tc	Method	TBLASTX:Cress
Start	1133	End	1622
GI	none	Score	160
Exons	1133..1390, 1134..1391, 1385..1618,	1497..1622	

Seq. No.	46081	Seq. ID	OJ991029_15.0317.C16
Gene No.	97671	Strand	-
Start	1013	End	1960
Name	OJ991029_15.0317.C16.o2.ts	Method	TBLASTX:Soybean
Start	1133	End	1339
GI	none	Score	183
Exons	1133..1339, 1134..1337		

Seq. No.	46081	Seq. ID	OJ991029_15.0317.C16
Gene No.	97671	Strand	-
Start	1013	End	1960
Name	OJ991029_15.0317.C16.o1.ts	Method	TBLASTX:Soybean
Start	1340	End	1619
GI	none	Score	109
Exons	1340..1390, 1385..1618,	1497..1619	

Seq. No.	46082	Seq. ID	OJ991029_15.0317.C17
Gene No.	97672	Strand	+
Start	855	End	925
Name	OJ991029_15.0317.C17.o1.gs	Method	GENSCAN
Start	855	End	925
GI	none	Score	.75
Exons	855..925		

Seq. No.	46082	Seq. ID	OJ991029_15.0317.C17
Gene No.	97673	Strand	-
Start	1	End	939
Name	OJ991029_15.0317.C17.o1.gp	Method	AAT/GAP
Start	1	End	413
GI	none	Score	803
Exons	1..413		

Seq. No.	46082	Seq. ID	OJ991029_15.0317.C17
Gene No.	97673	Strand	-
Start	1	End	939
Name	OJ991029_15.0317.C17.o1.np	Method	AAT/NAP
Start	244	End	939
GI	7378629	Score	200
Exons	244..414, 907..939		
GI Descrip.	(AL162751) putative protein [Arabidopsis thaliana]		

Seq. No.	46082	Seq. ID	OJ991029_15.0317.C17
Gene No.	97673	Strand	-
Start	1	End	939
Name	OJ991029_15.0317.C17.o1.tm	Method	TBLASTX:Maize
Start	245	End	420
GI	none	Score	230
Exons	245..412, 247..414, 268..420		

Seq. No.	46082	Seq. ID	OJ991029_15.0317.C17
Gene No.	97673	Strand	-
Start	1	End	939
Name	OJ991029_15.0317.C17.o1.ts	Method	TBLASTX:Soybean
Start	245	End	414
GI	none	Score	175
Exons	245..412, 253..414, 268..414		

Seq. No.	46082	Seq. ID	OJ991029_15.0317.C17
Gene No.	97673	Strand	-
Start	1	End	939
Name	OJ991029_15.0317.C17.o1.tc	Method	TBLASTX:Cress
Start	247	End	414
GI	none	Score	156
Exons	247..414, 254..412		

Seq. No.	46083	Seq. ID	OJ991029_15.0317.C27
Gene No.	97674	Strand	+
Start	430	End	791
Name	OJ991029_15.0317.C27.o1.gs	Method	GENSCAN
Start	430	End	791
GI	none	Score	.4
Exons	430..569, 684..791		

Seq. No.	46084	Seq. ID	OJ991029_15.0317.C32
Gene No.	97675	Strand	-
Start	776	End	1283
Name	OJ991029_15.0317.C32.o1.gs	Method	GENSCAN
Start	776	End	1283
GI	none	Score	.86
Exons	776..1283		

Seq. No.	46085	Seq. ID	OJ991029_15.0317.C39
Gene No.	97676	Strand	+
Start	1918	End	2576
Name	OJ991029_15.0317.C39.o1.gp	Method	AAT/GAP
Start	1918	End	2576
GI	none	Score	1295
Exons	1918..2576		

Seq. No.	46085	Seq. ID	OJ991029_15.0317.C39
Gene No.	97676	Strand	+
Start	1918	End	2576
Name	OJ991029_15.0317.C39.o1.np	Method	AAT/NAP
Start	2062	End	2407
GI	7452481	Score	83
Exons	2062..2156, 2189..2407		
GI Descrip.	hypothetical protein el2 - rice gi|1841320|dbj|BAA10903.1| (B64038) EL2 [Oryza sativa]		

Seq. No.	46086	Seq. ID	OJ991029_15.0317.C42
Gene No.	97677	Strand	-
Start	44	End	250
Name	OJ991029_15.0317.C42.o1.gs	Method	GENSCAN
Start	44	End	250
GI	none	Score	.58
Exons	44..250		

Seq. No.	46087	Seq. ID	OJ991029_15.0317.C44
Gene No.	97678	Strand	+
Start	140	End	6181
Name	OJ991029_15.0317.C44.o1.gs	Method	GENSCAN
Start	140	End	2227
GI	none	Score	.67
Exons	140..273, 2029..2227		

Seq. No.	46087	Seq. ID	OJ991029_15.0317.C44
Gene No.	97678	Strand	+
Start	140	End	6181
Name	OJ991029_15.0317.C44.o1.np	Method	AAT/NAP
Start	2062	End	4121
GI	7339719	Score	106
Exons	2062..2104, 3908..4121		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	46087	Seq. ID	OJ991029_15.0317.C44
Gene No.	97678	Strand	+
Start	140	End	6181
Name	OJ991029_15.0317.C44.o2.gs	Method	GENSCAN
Start	3215	End	6181
GI	none	Score	.86

Exons	3215..3288, 3816..3848, 6016..6181		
Seq. No.	46087	Seq. ID	OJ991029_15.0317.C44
Gene No.	97679	Strand	-
Start	6537	End	7032
Name	OJ991029_15.0317.C44.o1.tm	Method	TBLASTX:Maize
Start	107	End	487
GI	none	Score	58
Exons	107..178, 176..487		
Seq. No.	46087	Seq. ID	OJ991029_15.0317.C44
Gene No.	97679	Strand	-
Start	6537	End	7032
Name	OJ991029_15.0317.C44.o3.gs	Method	GENSCAN
Start	6537	End	7032
GI	none	Score	.86
Exons	6537..6604, 6969..7032		
Seq. No.	46088	Seq. ID	OJ991029_15.0317.C45
Gene No.	97680	Strand	+
Start	2354	End	4424
Name	OJ991029_15.0317.C45.o1.gs	Method	GENSCAN
Start	2354	End	4424
GI	none	Score	.6
Exons	2354..2498, 2898..3088, 4287..4424		
Seq. No.	46088	Seq. ID	OJ991029_15.0317.C45
Gene No.	97681	Strand	+
Start	5638	End	6316
Name	OJ991029_15.0317.C45.o2.gs	Method	GENSCAN
Start	5638	End	6316
GI	none	Score	.79
Exons	5638..5664, 5947..6082, 6138..6316		
Seq. No.	46088	Seq. ID	OJ991029_15.0317.C45
Gene No.	97682	Strand	+
Start	9266	End	11429
Name	OJ991029_15.0317.C45.o3.gs	Method	GENSCAN
Start	9266	End	11429
GI	none	Score	.46
Exons	9266..9449, 11302..11429		
Seq. No.	46088	Seq. ID	OJ991029_15.0317.C45
Gene No.	97683	Strand	-
Start	5004	End	5134
Name	OJ991029_15.0317.C45.o1.np	Method	AAT/NAP
Start	5004	End	5134
GI	7339719	Score	97
Exons	5004..5134		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		
Seq. No.	46088	Seq. ID	OJ991029_15.0317.C45
Gene No.	97684	Strand	-
Start	11877	End	12448
Name	OJ991029_15.0317.C45.o4.gs	Method	GENSCAN
Start	11877	End	12448
GI	none	Score	.47

Exons	11877..11921, 12138..12271, 12319..12448		
Seq. No.	46088	Seq. ID	OJ991029_15.0317.C45
Gene No.	97685	Strand	-
Start	15643	End	17500
Name	OJ991029_15.0317.C45.o5.gs	Method	GENSCAN
Start	15643	End	17500
GI	none	Score	.65
Exons	15643..16000, 16161..16378, 17339..17500		
Seq. No.	46088	Seq. ID	OJ991029_15.0317.C45
Gene No.	97686	Strand	-
Start	20522	End	21883
Name	OJ991029_15.0317.C45.o6.gs	Method	GENSCAN
Start	20522	End	21883
GI	none	Score	.54
Exons	20522..20765, 20928..21153, 21847..21883		
Seq. No.	46088	Seq. ID	OJ991029_15.0317.C45
Gene No.	97687	Strand	-
Start	23724	End	37286
Name	OJ991029_15.0317.C45.o1.tm	Method	TBLASTX:Maize
Start	3651	End	4730
GI	none	Score	79
Exons	3651..3758, 3666..3761, 3666..3761, 3667..3765, 3683..3760, 3684..3767, 3685..3762, 3685..3768, 3801..3908, 3802..3915, 3803..3916, 3809..3925, 3812..3922, 3814..3915, 3817..3924, 3823..3909, 3955..4080, 3969..4088, 3975..4070, 3982..4074, 3982..4068, 3983..4045, 3985..4074, 3996..4067, 4105..4227, 4115..4204, 4116..4238, 4119..4274, 4123..4269, 4126..4233, 4126..4266, 4131..4271, 4143..4283, 4224..4310, 4224..4310, 4272..4364, 4272..4364, 4277..4444, 4299..4376, 4300..4446, 4300..4452, 4302..4448, 4306..4467, 4311..4466, 4326..4445, 4349..4444, 4355..4459, 4498..4632, 4501..4599, 4502..4585, 4514..4588, 4514..4597, 4515..4613, 4621..4692, 4621..4686, 4656..4730		
Seq. No.	46088	Seq. ID	OJ991029_15.0317.C45
Gene No.	97687	Strand	-
Start	23724	End	37286
Name	OJ991029_15.0317.C45.o2.np	Method	AAT/NAP
Start	23724	End	31686
GI	6539588	Score	271
Exons	23724..23811, 30669..30943, 31660..31686		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	46088	Seq. ID	OJ991029_15.0317.C45
Gene No.	97687	Strand	-
Start	23724	End	37286
Name	OJ991029_15.0317.C45.o7.gs	Method	GENSCAN
Start	24685	End	25104
GI	none	Score	.9
Exons	24685..24744, 25099..25104		
Seq. No.	46088	Seq. ID	OJ991029_15.0317.C45
Gene No.	97687	Strand	-
Start	23724	End	37286

Name	OJ991029_15.0317.C45.o8.gs	Method	GENSCAN
Start	28911	End	37286
GI	none	Score	.51
Exons	28911..29084, 30669..30943, 31181..31302, 31789..31955, 32300..32362, 33589..33774, 34320..34525, 37244..37286		

Seq. No.	46088	Seq. ID	OJ991029_15.0317.C45
Gene No.	97687	Strand	-
Start	23724	End	37286
Name	OJ991029_15.0317.C45.o3.np	Method	AAT/NAP
Start	32392	End	34120
GI	7523502	Score	150
Exons	32392..32462, 33512..33728, 34003..34120		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97688	Strand	+
Start	797	End	5507
Name	OJ991029_15.0317.C46.o1.gs	Method	GENSCAN
Start	797	End	5507
GI	none	Score	.6
Exons	797..853, 3613..3702, 4275..4640, 4674..4859, 4878..4980, 5215..5507		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97689	Strand	+
Start	5511	End	5727
Name	OJ991029_15.0317.C46.o1.np	Method	AAT/NAP
Start	5511	End	5727
GI	4584355	Score	175
Exons	5511..5727		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97690	Strand	+
Start	7123	End	13397
Name	OJ991029_15.0317.C46.o2.gs	Method	GENSCAN
Start	7123	End	13281
GI	none	Score	.72
Exons	7123..7234, 7508..7687, 7713..7983, 9027..9130, 10036..10156, 11098..11278, 11370..11499, 12231..12445, 12724..13281		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97690	Strand	+
Start	7123	End	13397
Name	OJ991029_15.0317.C46.o1.gp	Method	AAT/GAP
Start	13075	End	13397
GI	25412_1.R1084	Score	593
Exons	13075..13397		
GI Descrip.	'175854/gb|M19228|RICRRM 1.0e-13 O.sativa 28S large subunit rRNA, 5'' end'		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o6.tm	Method	TBLASTX:Maize
Start	278	End	17557

GI	none	Score	64
Exons	278..334, 367..456, 17192..17260, 17290..17469, 17378..17452, 17450..17557, 17457..17555		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o3.tm	Method	TBLASTX:Maize
Start	12351	End	13269
GI	none	Score	315
Exons	12351..12416, 12353..12652, 12359..12574, 12475..12654, 12754..12837, 12964..13047, 13114..13269		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o3.gs	Method	GENSCAN
Start	13968	End	17457
GI	none	Score	.43
Exons	13968..14642, 14779..14980, 15063..15316, 15525..15638, 17392..17457		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o2.np	Method	AAT/NAP
Start	14022	End	15303
GI	6997177	Score	824
Exons	14022..14980, 15063..15303		
GI Descrip.	(AC023839) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o2.tm	Method	TBLASTX:Maize
Start	14166	End	14646
GI	none	Score	55
Exons	14166..14204, 14166..14231, 14235..14282, 14252..14566, 14252..14395, 14253..14618, 14260..14409, 14271..14642, 14272..14643, 14470..14646		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o1.tw	Method	TBLASTX:Wheat
Start	14178	End	14592
GI	none	Score	140
Exons	14178..14405, 14181..14405, 14182..14412, 14182..14412, 14415..14579, 14415..14591, 14425..14592		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o2.tw	Method	TBLASTX:Wheat
Start	14595	End	14768
GI	none	Score	130
Exons	14595..14768, 14599..14757		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o5.tm	Method	TBLASTX:Maize
Start	14661	End	15187
GI	none	Score	49
Exons	14661..14747, 14668..14736, 14758..14910, 14816..14908, 14884..14982, 15059..15187		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o3.np	Method	AAT/NAP
Start	15328	End	18475
GI	7363274	Score	142
Exons	15328..15373, 18275..18475		
GI Descrip.	(AP001552) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F17A8; putative protein. (AL049482) [Oryza sativa]		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o4.gs	Method	GENSCAN
Start	18264	End	26513
GI	none	Score	43
Exons	18264..18364, 19482..19859, 19990..20026, 23689..24365, 24746..25471, 26498..26513		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o2.gp	Method	AAT/GAP
Start	23522	End	24780
GI	33697_1.R1084	Score	1699
Exons	23522..24365, 24746..24780		
GI Descrip.	'4572673/gb|AAD23888.1|AC006954_9 4.0e-72 (AC006954) putative sarcosine oxidase [Arabidopsis thaliana]'		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o4.np	Method	AAT/NAP
Start	23661	End	25310
GI	4572673	Score	1006
Exons	23661..24365, 24740..25310		
GI Descrip.	(AC006954) putative sarcosine oxidase [Arabidopsis thaliana]		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o1.tc	Method	TBLASTX:Cress
Start	23695	End	23992
GI	none	Score	141
Exons	23695..23772, 23779..23946, 23779..23961, 23921..23992		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46

Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o1.ts	Method	TBLASTX:Soybean
Start	23734	End	24171
GI	none	Score	141
Exons	23734..23958, 23812..23967, 24037..24141, 24053..24142, 24145..24171		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o1.tm	Method	TBLASTX:Maize
Start	23863	End	24977
GI	none	Score	280
Exons	23863..24147, 23863..24354, 23921..24355, 24753..24827, 24756..24899, 24757..24918, 24942..24977		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o2.ts	Method	TBLASTX:Soybean
Start	24744	End	25190
GI	none	Score	138
Exons	24744..24890, 24745..24888, 24969..25190		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o4.tm	Method	TBLASTX:Maize
Start	24977	End	25193
GI	none	Score	109
Exons	24977..25090, 24981..25100, 24981..25193, 24985..25155		

Seq. No.	46089	Seq. ID	OJ991029_15.0317.C46
Gene No.	97691	Strand	-
Start	13968	End	29007
Name	OJ991029_15.0317.C46.o5.np	Method	AAT/NAP
Start	25898	End	29007
GI	6539588	Score	128
Exons	25898..25929, 28045..28265, 28981..29007		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	46090	Seq. ID	OJ991029_15.0317.C47
Gene No.	97692	Strand	-
Start	585	End	3490
Name	OJ991029_15.0317.C47.o2.ts	Method	TBLASTX:Soybean
Start	570	End	1243
GI	none	Score	58
Exons	570..836, 652..822, 855..977, 986..1243		

Seq. No.	46090	Seq. ID	OJ991029_15.0317.C47
Gene No.	97692	Strand	-
Start	585	End	3490
Name	OJ991029_15.0317.C47.o1.gs	Method	GENSCAN
Start	585	End	3412
GI	none	Score	.56
Exons	585..954, 1119..1611, 1728..2235, 2268..2380, 2518..3412		

Seq. No.	46090	Seq. ID	OJ991029_15.0317.C47
Gene No.	97692	Strand	-
Start	585	End	3490
Name	OJ991029_15.0317.C47.o1.np	Method	AAT/NAP
Start	588	End	3490
GI	6630685	Score	2151
Exons	588..2237, 2291..3363, 3458..3490		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	46090	Seq. ID	OJ991029_15.0317.C47
Gene No.	97692	Strand	-
Start	585	End	3490
Name	OJ991029_15.0317.C47.o1.tc	Method	TBLASTX:Cress
Start	606	End	1252
GI	none	Score	101
Exons	606..851, 840..971, 1082..1252		

Seq. No.	46090	Seq. ID	OJ991029_15.0317.C47
Gene No.	97692	Strand	-
Start	585	End	3490
Name	OJ991029_15.0317.C47.o1.tm	Method	TBLASTX:Maize
Start	606	End	1279
GI	none	Score	216
Exons	606..977, 616..990, 986..1279, 993..1253		

Seq. No.	46090	Seq. ID	OJ991029_15.0317.C47
Gene No.	97692	Strand	-
Start	585	End	3490
Name	OJ991029_15.0317.C47.o4.tw	Method	TBLASTX:Wheat
Start	651	End	971
GI	none	Score	64
Exons	651..764, 651..827, 846..971		

Seq. No.	46090	Seq. ID	OJ991029_15.0317.C47
Gene No.	97692	Strand	-
Start	585	End	3490
Name	OJ991029_15.0317.C47.o3.tw	Method	TBLASTX:Wheat
Start	1007	End	1438
GI	none	Score	49
Exons	1007..1264, 1125..1253, 1289..1438		

Seq. No.	46090	Seq. ID	OJ991029_15.0317.C47
Gene No.	97692	Strand	-
Start	585	End	3490
Name	OJ991029_15.0317.C47.o3.tm	Method	TBLASTX:Maize
Start	1513	End	1951
GI	none	Score	36
Exons	1513..1566, 1514..1726, 1578..1709, 1705..1950, 1724..1951		

Seq. No.	46090	Seq. ID	OJ991029_15.0317.C47
Gene No.	97692	Strand	-
Start	585	End	3490
Name	OJ991029_15.0317.C47.o1.ts	Method	TBLASTX:Soybean
Start	1614	End	2226
GI	5509260	Score	103

Exons	1614..1724, 1619..1726, 1642..1758, 1655..1876, 1702..2151, 1703..2137, 1933..2142, 2182..2226, 2185..2226		
GI Descrip.	-		

Seq. No.	46090	Seq. ID	OJ991029_15.0317.C47
Gene No.	97692	Strand	-
Start	585	End	3490
Name	OJ991029_15.0317.C47.o1.tw	Method	TBLASTX:Wheat
Start	1628	End	2098
GI	none	Score	69
Exons	1628..1726, 1638..1724, 1694..1807, 1719..1829, 1720..1974, 1829..1966, 1975..2004, 2008..2097, 2009..2098		

Seq. No.	46090	Seq. ID	OJ991029_15.0317.C47
Gene No.	97692	Strand	-
Start	585	End	3490
Name	OJ991029_15.0317.C47.o2.tc	Method	TBLASTX:Cress
Start	1732	End	1992
GI	none	Score	228
Exons	1732..1992		

Seq. No.	46090	Seq. ID	OJ991029_15.0317.C47
Gene No.	97692	Strand	-
Start	585	End	3490
Name	OJ991029_15.0317.C47.o2.tm	Method	TBLASTX:Maize
Start	2543	End	3178
GI	none	Score	291
Exons	2543..2695, 2690..3112, 2691..3050, 3111..3173, 3113..3178		

Seq. No.	46090	Seq. ID	OJ991029_15.0317.C47
Gene No.	97692	Strand	-
Start	585	End	3490
Name	OJ991029_15.0317.C47.o3.ts	Method	TBLASTX:Soybean
Start	2543	End	3004
GI	none	Score	155
Exons	2543..2671, 2693..3004, 2700..2987		

Seq. No.	46090	Seq. ID	OJ991029_15.0317.C47
Gene No.	97692	Strand	-
Start	585	End	3490
Name	OJ991029_15.0317.C47.o3.tc	Method	TBLASTX:Cress
Start	2544	End	2987
GI	none	Score	60
Exons	2544..2681, 2549..2680, 2696..2986, 2901..2987		

Seq. No.	46090	Seq. ID	OJ991029_15.0317.C47
Gene No.	97692	Strand	-
Start	585	End	3490
Name	OJ991029_15.0317.C47.o2.tw	Method	TBLASTX:Wheat
Start	2627	End	3220
GI	none	Score	62
Exons	2627..2692, 2687..2767, 2780..3220, 2867..2947		

Seq. No.	46091	Seq. ID	OJ991029_04.0303.C2
Gene No.	97693	Strand	+
Start	233	End	326
Name	OJ991029_04.0303.C2.o1.gs	Method	GENSCAN

Start	233	End	326
GI	none	Score	.46
Exons	233..326		

Seq. No.	46091	Seq. ID	OJ991029_04.0303.C2
Gene No.	97694	Strand	-
Start	138	End	4487
Name	OJ991029_04.0303.C2.o1.np	Method	AAT/NAP
Start	138	End	4487
GI	7542561	Score	1198
Exons	138..284, 360..441, 561..625, 714..839, 968..1068, 2302..2428, 2648..2761, 2997..3062, 3154..3256, 4311..4374, 4460..4487		
GI Descrip.	(AF239701) sterol delta7 reductase [Arabidopsis thaliana]		

Seq. No.	46091	Seq. ID	OJ991029_04.0303.C2
Gene No.	97694	Strand	-
Start	138	End	4487
Name	OJ991029_04.0303.C2.o1.tc	Method	TBLASTX:Cress
Start	193	End	3264
GI	none	Score	65
Exons	193..309, 201..308, 351..443, 360..440, 364..480, 382..441, 558..626, 560..625, 697..825, 705..842, 866..895, 965..1087, 975..1088, 2282..2431, 2300..2446, 2307..2441, 2639..2767, 2649..2762, 2992..3078, 2997..3062, 3154..3255, 3155..3256, 3155..3256, 3157..3264		

Seq. No.	46091	Seq. ID	OJ991029_04.0303.C2
Gene No.	97694	Strand	-
Start	138	End	4487
Name	OJ991029_04.0303.C2.o1.gp	Method	AAT/GAP
Start	198	End	832
GI	44713_1.R1084	Score	853
Exons	198..284, 360..625, 714..832		
GI Descrip.	'1245182 2.0e-61 (U49398) sterol delta-7 reductase [Arabidopsis thaliana]'		

Seq. No.	46091	Seq. ID	OJ991029_04.0303.C2
Gene No.	97694	Strand	-
Start	138	End	4487
Name	OJ991029_04.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	198	End	4399
GI	none	Score	82
Exons	198..293, 200..298, 201..308, 360..461, 360..440, 367..486, 382..450, 530..625, 552..638, 558..626, 560..634, 705..842, 706..840, 711..860, 930..1070, 956..1087, 966..1070, 970..1086, 970..1095, 2282..2431, 2300..2431, 2304..2441, 2585..2767, 2649..2762, 2995..3081, 2997..3077, 3142..3255, 3143..3256, 3154..3258, 4303..4368, 4303..4368, 4305..4373, 4310..4399		

Seq. No.	46091	Seq. ID	OJ991029_04.0303.C2
Gene No.	97694	Strand	-
Start	138	End	4487
Name	OJ991029_04.0303.C2.o1.ts	Method	TBLASTX:Soybean
Start	201	End	2417
GI	none	Score	74
Exons	201..326, 210..293, 360..443, 360..440, 364..528, 530..625, 558..608, 697..843, 705..842, 721..843, 930..1073, 956..1087,		

975..1070, 985..1071, 2282..2347, 2300..2347, 2349..2417, 2351..2416

Seq. No.	46091	Seq. ID	OJ991029_04.0303.C2
Gene No.	97694	Strand	-
Start	138	End	4487
Name	OJ991029_04.0303.C2.o2.gs	Method	GENSCAN
Start	1844	End	4366
GI	none	Score	.84
Exons	1844..1932, 2302..2455, 2648..2761, 2997..3062, 4311..4366		

Seq. No.	46091	Seq. ID	OJ991029_04.0303.C2
Gene No.	97694	Strand	-
Start	138	End	4487
Name	OJ991029_04.0303.C2.o2.ts	Method	TBLASTX:Soybean
Start	2648	End	4369
GI	none	Score	145
Exons	2648..2767, 2649..2762, 2650..2763, 2992..3078, 2997..3077, 3154..3255, 3158..3256, 4311..4367, 4325..4369		

Seq. No.	46092	Seq. ID	OJ991029_04.0303.C3
Gene No.	97695	Strand	-
Start	2786	End	9267
Name	OJ991029_04.0303.C3.o1.np	Method	AAT/NAP
Start	2786	End	7368
GI	7227909	Score	468
Exons	2786..2849, 3569..3686, 4790..4880, 5203..5289, 5841..5896, 6048..6129, 6377..6453, 7263..7368		
GI Descrip.	PROBABLE OLIGORIBONUCLEASE gi|3885327|gb|AAC77855.1| (AC005623) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46092	Seq. ID	OJ991029_04.0303.C3
Gene No.	97695	Strand	-
Start	2786	End	9267
Name	OJ991029_04.0303.C3.o2.gs	Method	GENSCAN
Start	3565	End	9267
GI	none	Score	.57
Exons	3565..3686, 4790..4880, 5203..5289, 6377..6453, 7263..7373, 7979..8141, 8356..8534, 8600..8668, 9048..9267		

Seq. No.	46092	Seq. ID	OJ991029_04.0303.C3
Gene No.	97696	Strand	-
Start	11750	End	11805
Name	OJ991029_04.0303.C3.o3.gs	Method	GENSCAN
Start	11750	End	11805
GI	none	Score	.8
Exons	11750..11805		

Seq. No.	46093	Seq. ID	OJ991029_04.0303.C4
Gene No.	97697	Strand	-
Start	1	End	4982
Name	OJ991029_04.0303.C4.o1.np	Method	AAT/NAP
Start	1	End	1287
GI	6730669	Score	182
Exons	1..20, 609..1287		
GI Descrip.	(AC007945) F28C11.2 [Arabidopsis thaliana]		

Seq. No.	46093	Seq. ID	OJ991029_04.0303.C4
Gene No.	97697	Strand	-
Start	1	End	4982
Name	OJ991029_04.0303.C4.o1.gs	Method	GENSCAN
Start	33	End	4982
GI	none	Score	.43
Exons	33..247, 332..1259, 1574..1602, 2095..2224, 3773..3850, 4635..4800, 4928..4982		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97698	Strand	+
Start	211	End	9162
Name	OJ991029_04.0303.C5.o1.np	Method	AAT/NAP
Start	211	End	9159
GI	6539553	Score	6153
Exons	211..443, 5557..9159		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97698	Strand	+
Start	211	End	9162
Name	OJ991029_04.0303.C5.o1.gs	Method	GENSCAN
Start	270	End	1679
GI	none	Score	.46
Exons	270..318, 1573..1679		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97698	Strand	+
Start	211	End	9162
Name	OJ991029_04.0303.C5.o3.gs	Method	GENSCAN
Start	5711	End	9162
GI	none	Score	.72
Exons	5711..6171, 6672..7746, 7789..8271, 8464..9162		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97699	Strand	-
Start	2966	End	3063
Name	OJ991029_04.0303.C5.o1.gp	Method	AAT/GAP
Start	2966	End	3063
GI	LIB3477-003-P1-K1-E9	Score	158
Exons	2966..3063		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97700	Strand	-
Start	9463	End	10232
Name	OJ991029_04.0303.C5.o5.tw	Method	TBLASTX:Wheat
Start	141	End	5614
GI	none	Score	56
Exons	141..194, 157..195, 207..386, 208..366, 355..444, 367..444, 5552..5608, 5555..5614		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97700	Strand	-
Start	9463	End	10232
Name	OJ991029_04.0303.C5.o3.tm	Method	TBLASTX:Maize
Start	340	End	5766
GI	none	Score	90
Exons	340..444, 358..444, 5551..5763, 5552..5764, 5552..5761, 5554..5766		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97700	Strand	-
Start	9463	End	10232
Name	OJ991029_04.0303.C5.o1.tm	Method	TBLASTX:Maize
Start	6260	End	6583
GI	none	Score	242
Exons	6260..6442, 6267..6467, 6268..6444, 6287..6469, 6459..6581, 6472..6582, 6473..6583		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97700	Strand	-
Start	9463	End	10232
Name	OJ991029_04.0303.C5.o5.ts	Method	TBLASTX:Soybean
Start	6610	End	6996
GI	none	Score	86
Exons	6610..6765, 6748..6996		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97700	Strand	-
Start	9463	End	10232
Name	OJ991029_04.0303.C5.o4.tw	Method	TBLASTX:Wheat
Start	6859	End	7053
GI	none	Score	132
Exons	6859..7005, 6861..7052, 6862..7053, 6989..7048, 6990..7052		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97700	Strand	-
Start	9463	End	10232
Name	OJ991029_04.0303.C5.o5.tm	Method	TBLASTX:Maize
Start	6910	End	7359
GI	none	Score	182
Exons	6910..7149, 6993..7127, 7192..7359		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97700	Strand	-
Start	9463	End	10232
Name	OJ991029_04.0303.C5.o3.ts	Method	TBLASTX:Soybean
Start	7006	End	7359
GI	none	Score	123
Exons	7006..7167, 7014..7127, 7186..7359, 7194..7232, 7275..7334		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97700	Strand	-
Start	9463	End	10232
Name	OJ991029_04.0303.C5.o1.tw	Method	TBLASTX:Wheat
Start	7054	End	7764
GI	none	Score	136
Exons	7054..7155, 7062..7130, 7127..7465, 7128..7454, 7138..7458,		

7194..7511, 7517..7720, 7525..7764, 7583..7744, 7605..7754

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97700	Strand	-
Start	9463	End	10232
Name	OJ991029_04.0303.C5.o1.ts	Method	TBLASTX:Soybean
Start	7684	End	8148
GI	5509260	Score	340
Exons	7684..8148, 7797..8003, 8070..8129		
GI Descrip.	-		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97700	Strand	-
Start	9463	End	10232
Name	OJ991029_04.0303.C5.o1.tc	Method	TBLASTX:Cress
Start	7777	End	8037
GI	none	Score	259
Exons	7777..8037, 7797..7949		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97700	Strand	-
Start	9463	End	10232
Name	OJ991029_04.0303.C5.o2.tm	Method	TBLASTX:Maize
Start	7818	End	8283
GI	none	Score	323
Exons	7818..8180, 7819..8283		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97700	Strand	-
Start	9463	End	10232
Name	OJ991029_04.0303.C5.o3.tw	Method	TBLASTX:Wheat
Start	7819	End	8364
GI	none	Score	279
Exons	7819..8163, 7966..8139, 8158..8364, 8235..8354		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97700	Strand	-
Start	9463	End	10232
Name	OJ991029_04.0303.C5.o2.ts	Method	TBLASTX:Soybean
Start	8215	End	8541
GI	none	Score	233
Exons	8215..8436, 8217..8456, 8218..8457, 8491..8541		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97700	Strand	-
Start	9463	End	10232
Name	OJ991029_04.0303.C5.o4.tm	Method	TBLASTX:Maize
Start	8373	End	8691
GI	none	Score	63
Exons	8373..8456, 8374..8481, 8458..8658, 8463..8654, 8463..8690, 8464..8691		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97700	Strand	-
Start	9463	End	10232
Name	OJ991029_04.0303.C5.o2.tw	Method	TBLASTX:Wheat
Start	8547	End	8988

GI	none	Score	97
Exons	8547..8594, 8548..8622, 8637..8939, 8638..8949, 8638..8988		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97700	Strand	-
Start	9463	End	10232
Name	OJ991029_04.0303.C5.o4.ts	Method	TBLASTX:Soybean
Start	8554	End	8895
GI	none	Score	91
Exons	8554..8667, 8637..8660, 8686..8895, 8686..8874		

Seq. No.	46094	Seq. ID	OJ991029_04.0303.C5
Gene No.	97700	Strand	-
Start	9463	End	10232
Name	OJ991029_04.0303.C5.o4.gs	Method	GENSCAN
Start	9463	End	10232
GI	none	Score	.68
Exons	9463..9651, 9975..10232		

Seq. No.	46095	Seq. ID	OJ991029_04.0303.C6
Gene No.	97701	Strand	+
Start	302	End	802
Name	OJ991029_04.0303.C6.o1.gs	Method	GENSCAN
Start	302	End	802
GI	none	Score	.82
Exons	302..459, 610..802		

Seq. No.	46095	Seq. ID	OJ991029_04.0303.C6
Gene No.	97702	Strand	-
Start	975	End	4191
Name	OJ991029_04.0303.C6.o1.gp	Method	AAT/GAP
Start	975	End	4191
GI	10832_1.R1084	Score	2200
Exons	975..1378, 1603..1682, 1773..1844, 1931..1971, 2062..2118, 2205..2261, 3302..3378, 3513..3631, 3894..4191		
GI Descrip.	'3319340 2.0e-68 (AF077407) contains similarity to E. coli cation transport protein ChaC (GB:D90756) [Arabidopsis thaliana]'		

Seq. No.	46095	Seq. ID	OJ991029_04.0303.C6
Gene No.	97702	Strand	-
Start	975	End	4191
Name	OJ991029_04.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	1213	End	3767
GI	none	Score	91
Exons	1213..1272, 1218..1271, 1272..1310, 1291..1401, 1309..1377, 1311..1412, 1604..1684, 1605..1685, 1606..1683, 1765..1839, 1772..1837, 1772..1843, 1773..1841, 1846..1974, 1930..1971, 2054..2125, 2058..2126, 2059..2127, 2060..2128, 2062..2127, 2205..2273, 2209..2259, 3302..3379, 3302..3379, 3303..3380, 3502..3621, 3503..3622, 3516..3623, 3521..3625, 3726..3767		

Seq. No.	46095	Seq. ID	OJ991029_04.0303.C6
Gene No.	97702	Strand	-
Start	975	End	4191
Name	OJ991029_04.0303.C6.o2.gs	Method	GENSCAN
Start	1221	End	3621

GI	none	Score	.87
Exons	1221..1378, 1603..1682, 1773..1844, 1931..1971, 2062..2118, 2205..2344, 3095..3113, 3302..3378, 3513..3621		

Seq. No.	46095	Seq. ID	OJ991029_04.0303.C6
Gene No.	97702	Strand	-
Start	975	End	4191
Name	OJ991029_04.0303.C6.o1.np	Method	AAT/NAP
Start	1229	End	3621
GI	7486723	Score	483
Exons	1229..1378, 1603..1682, 1773..1844, 1931..1971, 2205..2261, 3302..3378, 3513..3621		
GI Descrip.	hypothetical protein F9D12.14 - Arabidopsis thaliana gi|3319340|gb|AAC26229.1| (AF077407) contains similarity to E. coli cation transport protein ChaC (GB:D90756) [Arabidopsis thaliana]		

Seq. No.	46095	Seq. ID	OJ991029_04.0303.C6
Gene No.	97702	Strand	-
Start	975	End	4191
Name	OJ991029_04.0303.C6.o1.ts	Method	TBLASTX:Soybean
Start	1326	End	3622
GI	none	Score	72
Exons	1326..1385, 1327..1380, 1562..1684, 1617..1691, 1772..1843, 1773..1838, 2045..2122, 2051..2128, 2062..2127, 2205..2261, 2221..2268, 3302..3379, 3502..3621, 3503..3622		

Seq. No.	46095	Seq. ID	OJ991029_04.0303.C6
Gene No.	97702	Strand	-
Start	975	End	4191
Name	OJ991029_04.0303.C6.o1.tc	Method	TBLASTX:Cress
Start	2205	End	3627
GI	none	Score	97
Exons	2205..2273, 3302..3379, 3303..3395, 3502..3627, 3503..3625		

Seq. No.	46096	Seq. ID	OJ991029_04.0303.C7
Gene No.	97703	Strand	-
Start	53	End	532
Name	OJ991029_04.0303.C7.o1.gs	Method	GENSCAN
Start	53	End	532
GI	none	Score	.75
Exons	53..196, 527..532		

Seq. No.	46097	Seq. ID	OJ991029_04.0303.C8
Gene No.	97704	Strand	-
Start	1692	End	2570
Name	OJ991029_04.0303.C8.o1.np	Method	AAT/NAP
Start	1051	End	2570
GI	7340860	Score	72
Exons	1051..1079, 2429..2570		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46097	Seq. ID	OJ991029_04.0303.C8
Gene No.	97704	Strand	-
Start	1692	End	2570
Name	OJ991029_04.0303.C8.o1.gs	Method	GENSCAN

Start	1692	End	1999
GI	none	Score	.82
Exons	1692..1835, 1901..1999		

Seq. No.	46098	Seq. ID	OJ991029_04.0303.C9
Gene No.	97705	Strand	+
Start	325	End	3072
Name	OJ991029_04.0303.C9.o1.gs	Method	GENSCAN
Start	325	End	3072
GI	none	Score	.64
Exons	325..509, 2913..3072		

Seq. No.	46098	Seq. ID	OJ991029_04.0303.C9
Gene No.	97706	Strand	+
Start	3235	End	5202
Name	OJ991029_04.0303.C9.o1.np	Method	AAT/NAP
Start	3235	End	5202
GI	7433903	Score	107
Exons	3235..3272, 4933..5202		
GI Descrip.	UTP-glucose glucosyltransferase homolog F9D12.4 - Arabidopsis thaliana gi|3319344|gb|AAC26233.1| (AF077407) contains similarity to UDP-glucoronosyl and UDP-glucosyl transferases (Pfam: UDPGT.hmm, score: 85.94) [Arabidopsis thaliana]		

Seq. No.	46098	Seq. ID	OJ991029_04.0303.C9
Gene No.	97706	Strand	+
Start	3235	End	5202
Name	OJ991029_04.0303.C9.o2.gs	Method	GENSCAN
Start	4814	End	5143
GI	none	Score	.94
Exons	4814..5143		

Seq. No.	46098	Seq. ID	OJ991029_04.0303.C9
Gene No.	97706	Strand	+
Start	3235	End	5202
Name	OJ991029_04.0303.C9.o1.tm	Method	TBLASTX:Maize
Start	4936	End	5176
GI	none	Score	183
Exons	4936..5169, 4973..5170, 4973..5176		

Seq. No.	46098	Seq. ID	OJ991029_04.0303.C9
Gene No.	97706	Strand	+
Start	3235	End	5202
Name	OJ991029_04.0303.C9.o1.ts	Method	TBLASTX:Soybean
Start	4996	End	5202
GI	none	Score	187
Exons	4996..5202, 4997..5200		

Seq. No.	46099	Seq. ID	OJ991029_04.0303.C10
Gene No.	97707	Strand	+
Start	1	End	3203
Name	OJ991029_04.0303.C10.o1.np	Method	AAT/NAP
Start	1	End	3203
GI	5852172	Score	126
Exons	1..29, 3083..3203		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	46099	Seq. ID	OJ991029_04.0303.C10
Gene No.	97708	Strand	+
Start	6080	End	7414
Name	OJ991029_04.0303.C10.o2.np	Method	AAT/NAP
Start	6080	End	7414
GI	7487925	Score	500
Exons	6080..6190, 6503..7414		
GI Descrip.	inositol 1,3,4-trisphosphate 5/6-kinase homolog T12G13.10 - Arabidopsis thaliana gi|5262190|emb|CAB45787.1| (AL080252) inositol 1, 3, 4-trisphosphate 5/6-kinase-like protein [Arabidopsis thaliana] gi|7267457|emb|CAB81153.1| (AL161510) inositol 1, 3, 4-trisphosphate 5/6-kinase-like protein [Arabidopsis thaliana]		

Seq. No.	46099	Seq. ID	OJ991029_04.0303.C10
Gene No.	97709	Strand	-
Start	2005	End	5210
Name	OJ991029_04.0303.C10.o1.gs	Method	GENSCAN
Start	2005	End	5210
GI	none	Score	.57
Exons	2005..2209, 3117..3152, 3587..3649, 5145..5210		

Seq. No.	46099	Seq. ID	OJ991029_04.0303.C10
Gene No.	97709	Strand	-
Start	2005	End	5210
Name	OJ991029_04.0303.C10.o1.gp	Method	AAT/GAP
Start	3045	End	3312
GI	427610	Score	366
Exons	3045..3312		
GI Descrip.	5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	46099	Seq. ID	OJ991029_04.0303.C10
Gene No.	97710	Strand	-
Start	8964	End	10204
Name	OJ991029_04.0303.C10.o2.tm	Method	TBLASTX:Maize
Start	6455	End	6721
GI	none	Score	253
Exons	6455..6721, 6508..6666, 6539..6712		

Seq. No.	46099	Seq. ID	OJ991029_04.0303.C10
Gene No.	97710	Strand	-
Start	8964	End	10204
Name	OJ991029_04.0303.C10.o1.tc	Method	TBLASTX:Cress
Start	6491	End	7414
GI	none	Score	179
Exons	6491..6736, 6893..6976, 6977..7114, 7226..7309, 7253..7300, 7301..7414, 7321..7413		

Seq. No.	46099	Seq. ID	OJ991029_04.0303.C10
Gene No.	97710	Strand	-
Start	8964	End	10204
Name	OJ991029_04.0303.C10.o1.ts	Method	TBLASTX:Soybean
Start	6509	End	7465
GI	none	Score	51
Exons	6509..6553, 6548..6736, 6731..6805, 6893..6976, 6986..7099, 7226..7300, 7226..7300, 7301..7465, 7327..7407		

Seq. No.	46099	Seq. ID	OJ991029_04.0303.C10
Gene No.	97710	Strand	-
Start	8964	End	10204
Name	OJ991029_04.0303.C10.o1.tm	Method	TBLASTX:Maize
Start	6893	End	7309
GI	none	Score	112
Exons	6893..6997, 6895..6945, 6989..7159, 7226..7309		

Seq. No.	46099	Seq. ID	OJ991029_04.0303.C10
Gene No.	97710	Strand	-
Start	8964	End	10204
Name	OJ991029_04.0303.C10.o3.np	Method	AAT/NAP
Start	8964	End	10204
GI	6069646	Score	922
Exons	8964..9808, 9981..10204		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	46099	Seq. ID	OJ991029_04.0303.C10
Gene No.	97710	Strand	-
Start	8964	End	10204
Name	OJ991029_04.0303.C10.o3.tm	Method	TBLASTX:Maize
Start	8996	End	9454
GI	none	Score	98
Exons	8996..9190, 9213..9284, 9272..9454		

Seq. No.	46100	Seq. ID	OJ991029_04.0303.C11
Gene No.	97711	Strand	+
Start	1872	End	3552
Name	OJ991029_04.0303.C11.o1.np	Method	AAT/NAP
Start	1872	End	3552
GI	6539588	Score	224
Exons	1872..2164, 3488..3552		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	46101	Seq. ID	OJ991029_04.0303.C12
Gene No.	97712	Strand	+
Start	54	End	236
Name	OJ991029_04.0303.C12.o1.gs	Method	GENSCAN
Start	54	End	236
GI	none	Score	1
Exons	54..236		

Seq. No.	46101	Seq. ID	OJ991029_04.0303.C12
Gene No.	97713	Strand	+
Start	972	End	2279
Name	OJ991029_04.0303.C12.o2.gs	Method	GENSCAN
Start	972	End	2219
GI	none	Score	.8
Exons	972..2219		

Seq. No.	46101	Seq. ID	OJ991029_04.0303.C12
Gene No.	97713	Strand	+

Start	972	End	2279
Name	OJ991029_04.0303.C12.o1.np	Method	AAT/NAP
Start	1032	End	2279
GI	6997177	Score	1010
Exons	1032..2279		
GI Descrip.	(AC023839) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46101	Seq. ID	OJ991029_04.0303.C12
Gene No.	97713	Strand	+
Start	972	End	2279
Name	OJ991029_04.0303.C12.o1.tm	Method	TBLASTX:Maize
Start	1338	End	1766
GI	none	Score	341
Exons	1338..1664, 1344..1691, 1682..1765, 1683..1766		

Seq. No.	46101	Seq. ID	OJ991029_04.0303.C12
Gene No.	97713	Strand	+
Start	972	End	2279
Name	OJ991029_04.0303.C12.o2.tw	Method	TBLASTX:Wheat
Start	1502	End	1662
GI	none	Score	211
Exons	1502..1660, 1506..1661, 1585..1662		

Seq. No.	46101	Seq. ID	OJ991029_04.0303.C12
Gene No.	97713	Strand	+
Start	972	End	2279
Name	OJ991029_04.0303.C12.o1.tw	Method	TBLASTX:Wheat
Start	1679	End	2093
GI	none	Score	211
Exons	1679..1822, 1680..1856, 1682..1858, 1857..2093, 1865..1918, 1887..2093		

Seq. No.	46101	Seq. ID	OJ991029_04.0303.C12
Gene No.	97713	Strand	+
Start	972	End	2279
Name	OJ991029_04.0303.C12.o2.tm	Method	TBLASTX:Maize
Start	1767	End	2105
GI	none	Score	249
Exons	1767..2000, 1850..1912, 1862..2008, 1896..2000, 2040..2105		

Seq. No.	46102	Seq. ID	OJ991029_04.0303.C13
Gene No.	97714	Strand	+
Start	657	End	6150
Name	OJ991029_04.0303.C13.o1.gs	Method	GENSCAN
Start	657	End	6150
GI	none	Score	.58
Exons	657..794, 841..1047, 1519..1858, 2343..2673, 2866..2895, 3571..3775, 4735..5010, 5134..5222, 5256..5321, 5964..6150		

Seq. No.	46102	Seq. ID	OJ991029_04.0303.C13
Gene No.	97714	Strand	+
Start	657	End	6150
Name	OJ991029_04.0303.C13.o1.gp	Method	AAT/GAP
Start	2213	End	4805
GI	53496_1.R1084	Score	1206
Exons	2213..2673, 2775..2895, 4735..4805		
GI Descrip.	'3128208 2.0e-23 (AC004077) hypothetical protein [Arabidopsis		

thaliana]'

Seq. No.	46102	Seq. ID	OJ991029_04.0303.C13
Gene No.	97714	Strand	+
Start	657	End	6150
Name	OJ991029_04.0303.C13.o2.np	Method	AAT/NAP
Start	2396	End	2895
GI	3128208	Score	321
Exons	2396..2673, 2775..2895		
GI Descrip.	(AC004077) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46102	Seq. ID	OJ991029_04.0303.C13
Gene No.	97714	Strand	+
Start	657	End	6150
Name	OJ991029_04.0303.C13.o2.gp	Method	AAT/GAP
Start	4769	End	5885
GI	19001_1.R1084	Score	1261
Exons	4769..5010, 5256..5321, 5506..5885		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	46102	Seq. ID	OJ991029_04.0303.C13
Gene No.	97715	Strand	-
Start	7431	End	10867
Name	OJ991029_04.0303.C13.o2.gs	Method	GENSCAN
Start	7431	End	10867
GI	none	Score	.48
Exons	7431..8533, 9773..9974, 10865..10867		

Seq. No.	46102	Seq. ID	OJ991029_04.0303.C13
Gene No.	97716	Strand	-
Start	14470	End	14718
Name	OJ991029_04.0303.C13.o3.gp	Method	AAT/GAP
Start	14470	End	14718
GI	3761181	Score	417
Exons	14470..14718		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	46102	Seq. ID	OJ991029_04.0303.C13
Gene No.	97717	Strand	-
Start	17403	End	21560
Name	OJ991029_04.0303.C13.o2.tm	Method	TBLASTX:Maize
Start	2387	End	2632
GI	none	Score	104
Exons	2387..2473, 2401..2472, 2437..2628, 2438..2632		

Seq. No.	46102	Seq. ID	OJ991029_04.0303.C13
Gene No.	97717	Strand	-
Start	17403	End	21560
Name	OJ991029_04.0303.C13.o1.tm	Method	TBLASTX:Maize
Start	2826	End	5294
GI	none	Score	100
Exons	2826..2906, 2827..2907, 4722..4979, 4737..4916, 4738..5010, 4738..4995, 5253..5294, 5253..5294		

Seq. No.	46102	Seq. ID	OJ991029_04.0303.C13

Gene No.	97717	Strand	-
Start	17403	End	21560
Name	OJ991029_04.0303.C13.o3.np	Method	AAT/NAP
Start	17403	End	21415
GI	7106512	Score	1865
Exons	17403..17903, 17936..18981, 19614..20953, 21148..21282, 21355..21415		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46102	Seq. ID	OJ991029_04.0303.C13
Gene No.	97717	Strand	-
Start	17403	End	21560
Name	OJ991029_04.0303.C13.o5.gp	Method	AAT/GAP
Start	21312	End	21560
GI	3761181	Score	405
Exons	21312..21560		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	46103	Seq. ID	OJ991029_04.0303.C14
Gene No.	97718	Strand	+
Start	81	End	143
Name	OJ991029_04.0303.C14.o1.gp	Method	AAT/GAP
Start	81	End	143
GI	2800439	Score	64
Exons	81..143		

Seq. No.	46103	Seq. ID	OJ991029_04.0303.C14
Gene No.	97719	Strand	+
Start	1338	End	1711
Name	OJ991029_04.0303.C14.o2.gp	Method	AAT/GAP
Start	1338	End	1711
GI	uC-osflcyp177e01a1	Score	622
Exons	1338..1711		
GI Descrip.	'4206116 1.0e-21 (AF097664) cinnamate 4-hydroxylase [Mesembryanthemum crystallinum]'		

Seq. No.	46103	Seq. ID	OJ991029_04.0303.C14
Gene No.	97720	Strand	-
Start	1599	End	4181
Name	OJ991029_04.0303.C14.o1.ts	Method	TBLASTX:Soybean
Start	1573	End	1784
GI	none	Score	145
Exons	1573..1743, 1584..1784, 1620..1784		

Seq. No.	46103	Seq. ID	OJ991029_04.0303.C14
Gene No.	97720	Strand	-
Start	1599	End	4181
Name	OJ991029_04.0303.C14.o1.tm	Method	TBLASTX:Maize
Start	1584	End	1869
GI	none	Score	290
Exons	1584..1856, 1595..1855, 1597..1869, 1620..1868		

Seq. No.	46103	Seq. ID	OJ991029_04.0303.C14
Gene No.	97720	Strand	-
Start	1599	End	4181

Name	OJ991029_04.0303.C14.o1.np	Method	AAT/NAP
Start	1599	End	3556
GI	7485104	Score	490
Exons	1599..1852, 2826..2922, 3380..3556		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2245026|emb|CAB10446.1| (Z97341) hypothetical protein [Arabidopsis thaliana] gi|7268421|emb|CAB78713.1| (AL161544) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46103	Seq. ID	OJ991029_04.0303.C14
Gene No.	97720	Strand	-
Start	1599	End	4181
Name	OJ991029_04.0303.C14.o1.tc	Method	TBLASTX:Cress
Start	1599	End	1857
GI	none	Score	75
Exons	1599..1790, 1620..1793, 1794..1856, 1795..1857		

Seq. No.	46103	Seq. ID	OJ991029_04.0303.C14
Gene No.	97720	Strand	-
Start	1599	End	4181
Name	OJ991029_04.0303.C14.o3.gp	Method	AAT/GAP
Start	1700	End	4181
GI	uC-osflcyp108g11b1	Score	902
Exons	1700..1852, 2826..2922, 3383..3552, 4103..4181		
GI Descrip.	'2245026/emb|CAB10446.1| 1.0e-45 (Z97341) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	46103	Seq. ID	OJ991029_04.0303.C14
Gene No.	97720	Strand	-
Start	1599	End	4181
Name	OJ991029_04.0303.C14.o2.ts	Method	TBLASTX:Soybean
Start	2821	End	3541
GI	none	Score	72
Exons	2821..2913, 2825..2899, 3383..3541, 3450..3524		

Seq. No.	46103	Seq. ID	OJ991029_04.0303.C14
Gene No.	97720	Strand	-
Start	1599	End	4181
Name	OJ991029_04.0303.C14.o2.tm	Method	TBLASTX:Maize
Start	3371	End	3554
GI	none	Score	139
Exons	3371..3547, 3377..3547, 3378..3554		

Seq. No.	46104	Seq. ID	OJ991029_04.0303.C15
Gene No.	97721	Strand	+
Start	429	End	579
Name	OJ991029_04.0303.C15.o1.gs	Method	GENSCAN
Start	429	End	579
GI	none	Score	.91
Exons	429..579		

Seq. No.	46104	Seq. ID	OJ991029_04.0303.C15
Gene No.	97722	Strand	-
Start	3047	End	3857
Name	OJ991029_04.0303.C15.o2.gs	Method	GENSCAN
Start	3047	End	3825
GI	none	Score	.56

Exons	3047..3175, 3556..3825		
Seq. No.	46104	Seq. ID	OJ991029_04.0303.C15
Gene No.	97722	Strand	-
Start	3047	End	3857
Name	OJ991029_04.0303.C15.o1.gp	Method	AAT/GAP
Start	3219	End	3697
GI	4714070	Score	861
Exons	3219..3697		
GI Descrip.	4206116 1.0e-21 (AF097664) cinnamate 4-hydroxylase [Mesembryanthemum crystallinum]		
Seq. No.	46104	Seq. ID	OJ991029_04.0303.C15
Gene No.	97722	Strand	-
Start	3047	End	3857
Name	OJ991029_04.0303.C15.o1.tw	Method	TBLASTX:Wheat
Start	3425	End	3762
GI	none	Score	338
Exons	3425..3487, 3431..3754, 3436..3762		
Seq. No.	46104	Seq. ID	OJ991029_04.0303.C15
Gene No.	97722	Strand	-
Start	3047	End	3857
Name	OJ991029_04.0303.C15.o1.tc	Method	TBLASTX:Cress
Start	3427	End	3849
GI	none	Score	93
Exons	3427..3648, 3542..3649, 3665..3847, 3667..3846, 3721..3849		
Seq. No.	46104	Seq. ID	OJ991029_04.0303.C15
Gene No.	97722	Strand	-
Start	3047	End	3857
Name	OJ991029_04.0303.C15.o1.ts	Method	TBLASTX:Soybean
Start	3427	End	3847
GI	none	Score	52
Exons	3427..3648, 3437..3490, 3542..3649, 3665..3847, 3667..3846		
Seq. No.	46104	Seq. ID	OJ991029_04.0303.C15
Gene No.	97722	Strand	-
Start	3047	End	3857
Name	OJ991029_04.0303.C15.o1.np	Method	AAT/NAP
Start	3430	End	3857
GI	4206116	Score	585
Exons	3430..3857		
GI Descrip.	(AF097664) cinnamate 4-hydroxylase [Mesembryanthemum crystallinum]		
Seq. No.	46104	Seq. ID	OJ991029_04.0303.C15
Gene No.	97722	Strand	-
Start	3047	End	3857
Name	OJ991029_04.0303.C15.o1.tm	Method	TBLASTX:Maize
Start	3430	End	3847
GI	none	Score	43
Exons	3430..3648, 3434..3487, 3545..3649, 3667..3846, 3668..3847		
Seq. No.	46105	Seq. ID	OJ991029_04.0303.C16
Gene No.	97723	Strand	+
Start	1685	End	2134

Name	OJ991029_04.0303.C16.o1.gp	Method	AAT/GAP
Start	1685	End	2134
GI	uC-osflcyp151g03b1	Score	896
Exons	1685..2134		
GI Descrip.	'4206116 1.0e-21 (AF097664) cinnamate 4-hydroxylase [Mesembryanthemum crystallinum]'		

Seq. No.	46105	Seq. ID	OJ991029_04.0303.C16
Gene No.	97724	Strand	-
Start	21	End	242
Name	OJ991029_04.0303.C16.o1.gs	Method	GENSCAN
Start	21	End	242
GI	none	Score	.99
Exons	21..242		

Seq. No.	46105	Seq. ID	OJ991029_04.0303.C16
Gene No.	97725	Strand	-
Start	1412	End	2003
Name	OJ991029_04.0303.C16.o2.gs	Method	GENSCAN
Start	1412	End	2003
GI	none	Score	.66
Exons	1412..1554, 1724..2003		

Seq. No.	46106	Seq. ID	OJ991029_04.0303.C17
Gene No.	97726	Strand	+
Start	1462	End	1843
Name	OJ991029_04.0303.C17.o1.gp	Method	AAT/GAP
Start	1462	End	1843
GI	568024	Score	756
Exons	1462..1843		

Seq. No.	46106	Seq. ID	OJ991029_04.0303.C17
Gene No.	97727	Strand	-
Start	231	End	3547
Name	OJ991029_04.0303.C17.o1.gs	Method	GENSCAN
Start	231	End	3547
GI	none	Score	.88
Exons	231..359, 436..573, 644..835, 917..1279, 1296..1379, 1454..1585, 1685..1825, 1989..2384, 2470..2619, 2692..3312, 3393..3547		

Seq. No.	46107	Seq. ID	OJ991029_04.0303.C18
Gene No.	97728	Strand	+
Start	1064	End	2267
Name	OJ991029_04.0303.C18.o1.gp	Method	AAT/GAP
Start	1023	End	1619
GI	72492_1.R1084	Score	936
Exons	1023..1075, 1177..1619		
GI Descrip.	'5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	46107	Seq. ID	OJ991029_04.0303.C18
Gene No.	97728	Strand	+
Start	1064	End	2267
Name	OJ991029_04.0303.C18.o2.gs	Method	GENSCAN
Start	1064	End	2267
GI	none	Score	.72
Exons	1064..1075, 1177..1633, 1855..2267		

Seq. No.	46107	Seq. ID	OJ991029_04.0303.C18
Gene No.	97729	Strand	-
Start	86	End	724
Name	OJ991029_04.0303.C18.o1.gs	Method	GENSCAN
Start	86	End	724
GI	none	Score	.54
Exons	86..659, 679..724		

Seq. No.	46107	Seq. ID	OJ991029_04.0303.C18
Gene No.	97730	Strand	-
Start	2151	End	8346
Name	OJ991029_04.0303.C18.o2.np	Method	AAT/NAP
Start	2151	End	5302
GI	7485859	Score	696
Exons	2151..2179, 3564..5302		
GI Descrip.	hypothetical protein F20D10.300 - Arabidopsis thaliana gi|4467124|emb|CAB37558.1| (AL035538) hypothetical protein [Arabidopsis thaliana] gi|7270802|emb|CAB80483.1| (AL161593) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46107	Seq. ID	OJ991029_04.0303.C18
Gene No.	97730	Strand	-
Start	2151	End	8346
Name	OJ991029_04.0303.C18.o3.gs	Method	GENSCAN
Start	3224	End	8346
GI	none	Score	.4
Exons	3224..3963, 4156..4269, 4459..4805, 5252..5371, 5426..5454, 5506..5783, 8270..8346		

Seq. No.	46107	Seq. ID	OJ991029_04.0303.C18
Gene No.	97730	Strand	-
Start	2151	End	8346
Name	OJ991029_04.0303.C18.o1.tw	Method	TBLASTX:Wheat
Start	4085	End	4507
GI	none	Score	120
Exons	4085..4216, 4226..4327, 4352..4507		

Seq. No.	46107	Seq. ID	OJ991029_04.0303.C18
Gene No.	97730	Strand	-
Start	2151	End	8346
Name	OJ991029_04.0303.C18.o1.tm	Method	TBLASTX:Maize
Start	4347	End	4726
GI	none	Score	89
Exons	4347..4634, 4349..4726		

Seq. No.	46107	Seq. ID	OJ991029_04.0303.C18
Gene No.	97730	Strand	-
Start	2151	End	8346
Name	OJ991029_04.0303.C18.o1.ts	Method	TBLASTX:Soybean
Start	4352	End	4676
GI	none	Score	116
Exons	4352..4675, 4355..4675, 4386..4676		

Seq. No.	46107	Seq. ID	OJ991029_04.0303.C18
Gene No.	97730	Strand	-
Start	2151	End	8346

Name	OJ991029_04.0303.C18.o1.tc	Method	TBLASTX:Cress
Start	4397	End	4762
GI	none	Score	75
Exons	4397..4762, 4446..4643		

Seq. No.	46107	Seq. ID	OJ991029_04.0303.C18
Gene No.	97730	Strand	-
Start	2151	End	8346
Name	OJ991029_04.0303.C18.o3.np	Method	AAT/NAP
Start	5412	End	5916
GI	7228463	Score	122
Exons	5412..5744, 5876..5916		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa] gi|7242900|dbj|BAA92498.1| (AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	46108	Seq. ID	OJ991029_04.0303.C19
Gene No.	97731	Strand	+
Start	1047	End	2958
Name	OJ991029_04.0303.C19.o1.gs	Method	GENSCAN
Start	1047	End	2953
GI	none	Score	.99
Exons	1047..2095, 2215..2953		

Seq. No.	46108	Seq. ID	OJ991029_04.0303.C19
Gene No.	97731	Strand	+
Start	1047	End	2958
Name	OJ991029_04.0303.C19.o1.np	Method	AAT/NAP
Start	1203	End	2953
GI	4206116	Score	1834
Exons	1203..2095, 2215..2953		
GI Descrip.	(AF097664) cinnamate 4-hydroxylase [Mesembryanthemum crystallinum]		

Seq. No.	46108	Seq. ID	OJ991029_04.0303.C19
Gene No.	97731	Strand	+
Start	1047	End	2958
Name	OJ991029_04.0303.C19.o1.ts	Method	TBLASTX:Soybean
Start	1442	End	2956
GI	none	Score	356
Exons	1442..1489, 1443..1769, 1553..1987, 1818..2096, 2237..2716, 2239..2718, 2734..2841, 2735..2956, 2893..2946		

Seq. No.	46108	Seq. ID	OJ991029_04.0303.C19
Gene No.	97731	Strand	+
Start	1047	End	2958
Name	OJ991029_04.0303.C19.o2.tw	Method	TBLASTX:Wheat
Start	1442	End	1670
GI	none	Score	231
Exons	1442..1669, 1443..1670		

Seq. No.	46108	Seq. ID	OJ991029_04.0303.C19
Gene No.	97731	Strand	+
Start	1047	End	2958
Name	OJ991029_04.0303.C19.o1.tc	Method	TBLASTX:Cress
Start	1443	End	2956
GI	none	Score	325

Exons	1443..1769, 1553..1987, 1821..2102, 2221..2718, 2231..2716, 2734..2841, 2735..2956		
Seq. No.	46108	Seq. ID	OJ991029_04.0303.C19
Gene No.	97731	Strand	+
Start	1047	End	2958
Name	OJ991029_04.0303.C19.o1.tm	Method	TBLASTX:Maize
Start	1443	End	2953
GI	none	Score	71
Exons	1443..1496, 1445..1492, 1496..1987, 1554..1769, 1821..2102, 2007..2093, 2246..2716, 2251..2715, 2354..2716, 2734..2838, 2735..2953, 2896..2949		
Seq. No.	46108	Seq. ID	OJ991029_04.0303.C19
Gene No.	97731	Strand	+
Start	1047	End	2958
Name	OJ991029_04.0303.C19.o3.tw	Method	TBLASTX:Wheat
Start	2276	End	2620
GI	none	Score	220
Exons	2276..2620, 2369..2605		
Seq. No.	46108	Seq. ID	OJ991029_04.0303.C19
Gene No.	97731	Strand	+
Start	1047	End	2958
Name	OJ991029_04.0303.C19.o1.tw	Method	TBLASTX:Wheat
Start	2621	End	2958
GI	none	Score	431
Exons	2621..2947, 2629..2952, 2896..2958		
Seq. No.	46108	Seq. ID	OJ991029_04.0303.C19
Gene No.	97732	Strand	
Start	4543	End	4929
Name	OJ991029_04.0303.C19.o4.tw	Method	TBLASTX:Wheat
Start	4543	End	4929
GI	none	Score	39
Exons	4543..4644, 4680..4790, 4733..4765, 4783..4929, 4795..4896		
Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97733	Strand	+
Start	17996	End	18733
Name	OJ991119_04.0314.C2.o1.gp	Method	AAT/GAP
Start	17996	End	18733
GI	101153_1.R1084	Score	420
Exons	17996..18019, 18490..18733		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97734	Strand	+
Start	19706	End	20014
Name	OJ991119_04.0314.C2.o2.gp	Method	AAT/GAP
Start	19706	End	20014
GI	61605_3.R1084	Score	459
Exons	19706..20014		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97735	Strand	+
Start	34240	End	34416
Name	OJ991119_04.0314.C2.o8.gs	Method	GENSCAN
Start	34240	End	34416
GI	none	Score	.41
Exons	34240..34416		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97736	Strand	+
Start	35502	End	43957
Name	OJ991119_04.0314.C2.o9.gs	Method	GENSCAN
Start	35502	End	39056
GI	none	Score	.62
Exons	35502..36431, 38868..39056		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97736	Strand	+
Start	35502	End	43957
Name	OJ991119_04.0314.C2.o6.np	Method	AAT/NAP
Start	35511	End	42740
GI	5915835	Score	977
Exons	35511..36431, 42132..42740		
GI Descrip.	CYTOCHROME P450 71D6 gi|1762142 (U48434) putative cytochrome P450 [Solanum chacoense]		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97736	Strand	+
Start	35502	End	43957
Name	OJ991119_04.0314.C2.o11.gs	Method	GENSCAN
Start	42135	End	43957
GI	none	Score	.4
Exons	42135..42747, 43471..43660, 43793..43868, 43931..43957		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97737	Strand	-
Start	239	End	20752
Name	OJ991119_04.0314.C2.o1.gs	Method	GENSCAN
Start	239	End	7674
GI	none	Score	.59
Exons	239..1120, 1322..1510, 1558..2404, 2480..2573, 2787..3818, 3874..5449, 5563..6296, 6648..7674		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97737	Strand	-
Start	239	End	20752
Name	OJ991119_04.0314.C2.o3.np	Method	AAT/NAP
Start	760	End	13426
GI	6539588	Score	133
Exons	760..822, 8072..8187, 13206..13426		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97737	Strand	-
Start	239	End	20752
Name	OJ991119_04.0314.C2.o1.np	Method	AAT/NAP
Start	1393	End	4522

GI	7248394	Score	3441
Exons	1393..1772, 2209..3278, 3549..3828, 3872..4522		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97737	Strand	-
Start	239	End	20752
Name	OJ991119_04.0314.C2.o2.np	Method	AAT/NAP
Start	1558	End	8848
GI	2133512	Score	81
Exons	1558..1730, 4759..5109, 7077..7259, 8758..8848		
GI Descrip.	cuticle collagen - tube worm (Riftia pachyptila) (fragments)		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97737	Strand	-
Start	239	End	20752
Name	OJ991119_04.0314.C2.o2.gs	Method	GENSCAN
Start	8754	End	9731
GI	none	Score	.64
Exons	8754..8900, 9240..9354, 9502..9731		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97737	Strand	-
Start	239	End	20752
Name	OJ991119_04.0314.C2.o3.gs	Method	GENSCAN
Start	11567	End	20752
GI	none	Score	.46
Exons	11567..13047, 13192..13399, 13711..13825, 16801..16996, 17531..17650, 17659..17886, 19074..19195, 19997..20205, 20249..20752		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97738	Strand	-
Start	22211	End	28159
Name	OJ991119_04.0314.C2.o4.gs	Method	GENSCAN
Start	22211	End	23199
GI	none	Score	.4
Exons	22211..22423, 22522..22704, 22798..23199		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97738	Strand	-
Start	22211	End	28159
Name	OJ991119_04.0314.C2.o4.np	Method	AAT/NAP
Start	22997	End	26851
GI	4680203	Score	902
Exons	22997..23061, 25575..26851		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97738	Strand	-
Start	22211	End	28159
Name	OJ991119_04.0314.C2.o5.gs	Method	GENSCAN
Start	25570	End	27383

GI	none	Score	.59
Exons	25570..25735, 26079..26259, 26422..26592, 26755..26851, 27138..27184, 27254..27383		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97738	Strand	-
Start	22211	End	28159
Name	OJ991119_04.0314.C2.o5.np	Method	AAT/NAP
Start	26796	End	28159
GI	7248394	Score	172
Exons	26796..26821, 27953..28159		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97739	Strand	-
Start	32000	End	33674
Name	OJ991119_04.0314.C2.o7.gs	Method	GENSCAN
Start	32000	End	33674
GI	none	Score	.92
Exons	32000..32191, 33597..33674		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97740	Strand	-
Start	38062	End	38156
Name	OJ991119_04.0314.C2.o3.gp	Method	AAT/GAP
Start	38062	End	38156
GI	LIB3477-003-P1-K1-E9	Score	128
Exons	38062..38156		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97741	Strand	-
Start	40213	End	41760
Name	OJ991119_04.0314.C2.o10.gs	Method	GENSCAN
Start	40213	End	41760
GI	none	Score	.47
Exons	40213..40281, 40461..40560, 40750..41065, 41143..41214, 41742..41760		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o4.ts	Method	TBLASTX:Soybean
Start	254	End	499
GI	none	Score	48
Exons	254..499, 258..299, 369..455		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o6.tw	Method	TBLASTX:Wheat

Start	275	End	691
GI	none	Score	230
Exons	275..691		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o12.tw	Method	TBLASTX:Wheat
Start	722	End	1081
GI	none	Score	183
Exons	722..1081		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o5.ts	Method	TBLASTX:Soybean
Start	842	End	1237
GI	none	Score	86
Exons	842..1237, 942..1136		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o6.tm	Method	TBLASTX:Maize
Start	1091	End	1444
GI	none	Score	217
Exons	1091..1444		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o8.tw	Method	TBLASTX:Wheat
Start	1894	End	2328
GI	none	Score	66
Exons	1894..2184, 2111..2185, 2239..2328		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o2.ts	Method	TBLASTX:Soybean
Start	1957	End	2374
GI	none	Score	79
Exons	1957..2199, 1961..2074, 2114..2200, 2230..2373, 2240..2374		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o6.ts	Method	TBLASTX:Soybean
Start	2525	End	2994
GI	none	Score	66
Exons	2525..2671, 2713..2994, 2759..2959, 2845..2964		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o9.tw	Method	TBLASTX:Wheat
Start	2635	End	2991

GI	none	Score	200
Exons	2635..2712, 2689..2991		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o1.tm	Method	TBLASTX:Maize
Start	2680	End	3141
GI	none	Score	333
Exons	2680..3141, 2681..3022, 3083..3139		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o1.tw	Method	TBLASTX:Wheat
Start	3009	End	3417
GI	none	Score	87
Exons	3009..3107, 3009..3110, 3010..3417, 3061..3291, 3083..3400		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o4.tm	Method	TBLASTX:Maize
Start	3142	End	3357
GI	none	Score	197
Exons	3142..3357, 3143..3355		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o7.ts	Method	TBLASTX:Soybean
Start	3211	End	3579
GI	none	Score	133
Exons	3211..3345, 3361..3579		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o8.ts	Method	TBLASTX:Soybean
Start	4061	End	4423
GI	none	Score	202
Exons	4061..4423		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o7.tm	Method	TBLASTX:Maize
Start	5563	End	5940
GI	none	Score	63
Exons	5563..5781, 5660..5776, 5806..5940, 5807..5914		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o7.tw	Method	TBLASTX:Wheat
Start	6460	End	23238
GI	none	Score	102

Exons	6460..6600, 22891..23106, 23122..23238		
Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o10.tw	Method	TBLASTX:Wheat
Start	25633	End	25816
GI	none	Score	115
Exons	25633..25815, 25634..25816		
Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o8.tm	Method	TBLASTX:Maize
Start	25673	End	26161
GI	none	Score	119
Exons	25673..25945, 25675..25947, 25675..25956, 26096..26161		
Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o2.tc	Method	TBLASTX:Cress
Start	25720	End	26071
GI	none	Score	63
Exons	25720..26067, 25721..25795, 25820..26071		
Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o3.ts	Method	TBLASTX:Soybean
Start	25798	End	26218
GI	none	Score	123
Exons	25798..26064, 25802..26068, 26073..26216, 26096..26218		
Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o3.tw	Method	TBLASTX:Wheat
Start	25816	End	26497
GI	none	Score	43
Exons	25816..25941, 25817..25942, 25945..26067, 25960..26073, 26096..26497, 26097..26273, 26376..26399		
Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o5.tw	Method	TBLASTX:Wheat
Start	32945	End	33170
GI	none	Score	142
Exons	32945..33169, 32954..33157, 32991..33170		
Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o1.ts	Method	TBLASTX:Soybean
Start	35564	End	42728
GI	none	Score	72

Exons	35564..35656, 35598..35651, 35643..35924, 35684..35806, 35991..36194, 42117..42728, 42128..42232, 42269..42457, 42354..42677, 42536..42712		
Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o3.tm	Method	TBLASTX:Maize
Start	35592	End	36215
GI	none	Score	94
Exons	35592..35651, 35600..35668, 35646..35825, 35702..35809, 35787..35993, 35856..35918, 35944..35979, 36006..36215, 36011..36175		
Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o3.tc	Method	TBLASTX:Cress
Start	35598	End	36083
GI	none	Score	65
Exons	35598..35654, 35658..36083, 35693..35803		
Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o2.tw	Method	TBLASTX:Wheat
Start	42131	End	42437
GI	none	Score	353
Exons	42131..42436, 42132..42437		
Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o1.tc	Method	TBLASTX:Cress
Start	42132	End	42728
GI	none	Score	541
Exons	42132..42728, 42132..42323, 42143..42460, 42378..42668, 42533..42727		
Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o2.tm	Method	TBLASTX:Maize
Start	42132	End	42758
GI	none	Score	85
Exons	42132..42254, 42255..42758, 42263..42460, 42294..42566, 42536..42712		
Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o4.tw	Method	TBLASTX:Wheat
Start	42468	End	42737
GI	none	Score	276
Exons	42468..42737, 42536..42724		
Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2

Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o12.gs	Method	GENSCAN
Start	44420	End	45822
GI	none	Score	.86
Exons	44420..44718, 45041..45218, 45499..45822		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o11.tw	Method	TBLASTX:Wheat
Start	44788	End	45897
GI	none	Score	181
Exons	44788..44952, 44979..45230, 45649..45897		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o5.tm	Method	TBLASTX:Maize
Start	45616	End	45880
GI	none	Score	94
Exons	45616..45873, 45637..45873, 45638..45880		

Seq. No.	46109	Seq. ID	OJ991119_04.0314.C2
Gene No.	97742	Strand	-
Start	44420	End	46224
Name	OJ991119_04.0314.C2.o8.np	Method	AAT/NAP
Start	45640	End	46224
GI	5911167	Score	327
Exons	45640..46224		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	46110	Seq. ID	OJ991119_04.0314.C3
Gene No.	97743	Strand	-
Start	51	End	704
Name	OJ991119_04.0314.C3.o1.gs	Method	GENSCAN
Start	51	End	704
GI	none	Score	.74
Exons	51..164, 299..459, 612..704		

Seq. No.	46110	Seq. ID	OJ991119_04.0314.C3
Gene No.	97743	Strand	-
Start	51	End	704
Name	OJ991119_04.0314.C3.o1.tm	Method	TBLASTX:Maize
Start	393	End	593
GI	none	Score	76
Exons	393..593, 421..579		

Seq. No.	46111	Seq. ID	OJ991119_04.0314.C5
Gene No.	97744	Strand	-
Start	1	End	4838
Name	OJ991119_04.0314.C5.o1.np	Method	AAT/NAP
Start	1	End	1746
GI	5042454	Score	2076
Exons	1..1134, 1190..1296, 1596..1746		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	46111	Seq. ID	OJ991119_04.0314.C5
Gene No.	97744	Strand	-
Start	1	End	4838
Name	OJ991119_04.0314.C5.o1.gs	Method	GENSCAN
Start	30	End	3196
GI	none	Score	.5
Exons	30..164, 318..1134, 1190..1399, 1600..1643, 1923..1999, 2502..3196		

Seq. No.	46111	Seq. ID	OJ991119_04.0314.C5
Gene No.	97744	Strand	-
Start	1	End	4838
Name	OJ991119_04.0314.C5.o3.tw	Method	TBLASTX:Wheat
Start	70	End	462
GI	none	Score	90
Exons	70..327, 104..343, 302..391, 310..408, 415..462		

Seq. No.	46111	Seq. ID	OJ991119_04.0314.C5
Gene No.	97744	Strand	-
Start	1	End	4838
Name	OJ991119_04.0314.C5.o3.tm	Method	TBLASTX:Maize
Start	172	End	457
GI	none	Score	95
Exons	172..420, 173..457		

Seq. No.	46111	Seq. ID	OJ991119_04.0314.C5
Gene No.	97744	Strand	-
Start	1	End	4838
Name	OJ991119_04.0314.C5.o2.np	Method	AAT/NAP
Start	2575	End	4838
GI	6598399	Score	1318
Exons	2575..4838		
GI Descrip.	(AC003952) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	46111	Seq. ID	OJ991119_04.0314.C5
Gene No.	97744	Strand	-
Start	1	End	4838
Name	OJ991119_04.0314.C5.o4.tm	Method	TBLASTX:Maize
Start	3005	End	3263
GI	none	Score	57
Exons	3005..3154, 3197..3262, 3198..3263		

Seq. No.	46111	Seq. ID	OJ991119_04.0314.C5
Gene No.	97744	Strand	-
Start	1	End	4838
Name	OJ991119_04.0314.C5.o1.ts	Method	TBLASTX:Soybean
Start	3131	End	3487
GI	none	Score	52
Exons	3131..3211, 3144..3203, 3227..3487, 3294..3458		

Seq. No.	46111	Seq. ID	OJ991119_04.0314.C5
Gene No.	97744	Strand	-
Start	1	End	4838
Name	OJ991119_04.0314.C5.o1.tm	Method	TBLASTX:Maize
Start	3266	End	3638
GI	none	Score	47

Exons	3266..3511, 3354..3422, 3508..3630, 3513..3638		
Seq. No.	46111	Seq. ID	OJ991119_04.0314.C5
Gene No.	97744	Strand	-
Start	1	End	4838
Name	OJ991119_04.0314.C5.o2.tw	Method	TBLASTX:Wheat
Start	3362	End	3755
GI	none	Score	61
Exons	3362..3520, 3365..3508, 3390..3527, 3522..3755, 3529..3717		
Seq. No.	46111	Seq. ID	OJ991119_04.0314.C5
Gene No.	97744	Strand	-
Start	1	End	4838
Name	OJ991119_04.0314.C5.o4.tw	Method	TBLASTX:Wheat
Start	3867	End	4079
GI	none	Score	166
Exons	3867..4079, 3877..4068		
Seq. No.	46111	Seq. ID	OJ991119_04.0314.C5
Gene No.	97744	Strand	-
Start	1	End	4838
Name	OJ991119_04.0314.C5.o2.tm	Method	TBLASTX:Maize
Start	3879	End	4346
GI	none	Score	104
Exons	3879..4160, 4182..4346		
Seq. No.	46111	Seq. ID	OJ991119_04.0314.C5
Gene No.	97744	Strand	-
Start	1	End	4838
Name	OJ991119_04.0314.C5.o2.ts	Method	TBLASTX:Soybean
Start	3906	End	4172
GI	none	Score	196
Exons	3906..4172		
Seq. No.	46111	Seq. ID	OJ991119_04.0314.C5
Gene No.	97744	Strand	-
Start	1	End	4838
Name	OJ991119_04.0314.C5.o1.tw	Method	TBLASTX:Wheat
Start	4083	End	4505
GI	none	Score	55
Exons	4083..4163, 4083..4496, 4197..4361, 4198..4500, 4392..4505		
Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97745	Strand	+
Start	1370	End	6825
Name	OJ991119_04.0314.C6.o1.gs	Method	GENSCAN
Start	1370	End	6825
GI	none	Score	.43
Exons	1370..1495, 5709..5827, 6273..6448, 6524..6825		
Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97746	Strand	+
Start	7986	End	11476
Name	OJ991119_04.0314.C6.o2.gs	Method	GENSCAN
Start	7986	End	11476
GI	none	Score	.56
Exons	7986..8033, 8148..8279, 8327..8402, 8615..8703, 8818..9072,		

10790..11152, 11270..11476

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97747	Strand	+
Start	22463	End	23948
Name	OJ991119_04.0314.C6.o6.gs	Method	GENSCAN
Start	22463	End	23948
GI	none	Score	.76
Exons	22463..22480, 23799..23948		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97748	Strand	+
Start	24282	End	27413
Name	OJ991119_04.0314.C6.o7.gs	Method	GENSCAN
Start	24282	End	27413
GI	none	Score	.53
Exons	24282..24551, 25551..25694, 27201..27413		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97749	Strand	-
Start	12328	End	14983
Name	OJ991119_04.0314.C6.o1.np	Method	AAT/NAP
Start	12328	End	14983
GI	4680179	Score	2980
Exons	12328..13966, 13994..14983		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97750	Strand	-
Start	15294	End	17061
Name	OJ991119_04.0314.C6.o4.gs	Method	GENSCAN
Start	15294	End	16430
GI	none	Score	.63
Exons	15294..15766, 15965..16430		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97750	Strand	-
Start	15294	End	17061
Name	OJ991119_04.0314.C6.o2.np	Method	AAT/NAP
Start	15297	End	17061
GI	4512229	Score	768
Exons	15297..15795, 16998..17061		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97750	Strand	-
Start	15294	End	17061
Name	OJ991119_04.0314.C6.o3.np	Method	AAT/NAP
Start	15954	End	16394
GI	225102	Score	278
Exons	15954..16394		
GI Descrip.	trypsin/amylase inhibitor pUP13 [Hordeum vulgare var. distichum]		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97751	Strand	-
Start	18560	End	26119
Name	OJ991119_04.0314.C6.o1.ts	Method	TBLASTX:Soybean

Start	5137	End	12979
GI	none	Score	66
Exons	5137..5208, 12584..12835, 12594..12824, 12641..12838, 12798..12941, 12863..12943, 12890..12943, 12947..12979, 12947..12979		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97751	Strand	-
Start	18560	End	26119
Name	OJ991119_04.0314.C6.o3.tw	Method	TBLASTX:Wheat
Start	11916	End	12338
GI	none	Score	51
Exons	11916..12338, 11937..12080, 12109..12156, 12132..12317, 12178..12318		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97751	Strand	-
Start	18560	End	26119
Name	OJ991119_04.0314.C6.o3.tm	Method	TBLASTX:Maize
Start	12012	End	12272
GI	none	Score	68
Exons	12012..12272, 12039..12161, 12112..12261		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97751	Strand	-
Start	18560	End	26119
Name	OJ991119_04.0314.C6.o1.tm	Method	TBLASTX:Maize
Start	12323	End	12835
GI	none	Score	178
Exons	12323..12835, 12396..12782		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97751	Strand	-
Start	18560	End	26119
Name	OJ991119_04.0314.C6.o2.ts	Method	TBLASTX:Soybean
Start	12329	End	12562
GI	none	Score	188
Exons	12329..12562		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97751	Strand	-
Start	18560	End	26119
Name	OJ991119_04.0314.C6.o7.tw	Method	TBLASTX:Wheat
Start	12341	End	12469
GI	none	Score	106
Exons	12341..12469, 12342..12461, 12344..12469		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97751	Strand	-
Start	18560	End	26119
Name	OJ991119_04.0314.C6.o2.tw	Method	TBLASTX:Wheat
Start	12470	End	12844
GI	none	Score	329
Exons	12470..12832, 12471..12824, 12541..12840, 12545..12844		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97751	Strand	-

Start	18560	End	26119
Name	OJ991119_04.0314.C6.o2.tm	Method	TBLASTX:Maize
Start	12869	End	13337
GI	none	Score	135
Exons	12869..13261, 12890..13333, 13155..13337		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97751	Strand	-
Start	18560	End	26119
Name	OJ991119_04.0314.C6.o1.tw	Method	TBLASTX:Wheat
Start	12920	End	13406
GI	none	Score	207
Exons	12920..13402, 12962..13291, 13113..13406		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97751	Strand	-
Start	18560	End	26119
Name	OJ991119_04.0314.C6.o3.ts	Method	TBLASTX:Soybean
Start	13052	End	13366
GI	none	Score	186
Exons	13052..13366		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97751	Strand	-
Start	18560	End	26119
Name	OJ991119_04.0314.C6.o5.tw	Method	TBLASTX:Wheat
Start	13541	End	13888
GI	none	Score	240
Exons	13541..13888		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97751	Strand	-
Start	18560	End	26119
Name	OJ991119_04.0314.C6.o5.tm	Method	TBLASTX:Maize
Start	13622	End	13942
GI	none	Score	186
Exons	13622..13942		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97751	Strand	-
Start	18560	End	26119
Name	OJ991119_04.0314.C6.o4.tw	Method	TBLASTX:Wheat
Start	14243	End	14588
GI	none	Score	69
Exons	14243..14587, 14457..14588		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97751	Strand	-
Start	18560	End	26119
Name	OJ991119_04.0314.C6.o4.tm	Method	TBLASTX:Maize
Start	14288	End	14587
GI	none	Score	47
Exons	14288..14587, 14289..14369, 14431..14469, 14457..14561		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97751	Strand	-
Start	18560	End	26119

Name	OJ991119_04.0314.C6.o6.tw	Method	TBLASTX:Wheat
Start	14639	End	14821
GI	none	Score	133
Exons	14639..14821, 14640..14819		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97751	Strand	-
Start	18560	End	26119
Name	OJ991119_04.0314.C6.o5.gs	Method	GENSCAN
Start	18560	End	21561
GI	none	Score	.4
Exons	18560..18611, 19109..19173, 20551..20718, 21478..21561		

Seq. No.	46112	Seq. ID	OJ991119_04.0314.C6
Gene No.	97751	Strand	-
Start	18560	End	26119
Name	OJ991119_04.0314.C6.o4.np	Method	AAT/NAP
Start	19276	End	26119
GI	7523502	Score	195
Exons	19276..19435, 20511..20676, 26026..26119		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	46113	Seq. ID	OJ991119_04.0314.C7
Gene No.	97752	Strand	+
Start	1	End	1817
Name	OJ991119_04.0314.C7.o1.np	Method	AAT/NAP
Start	1	End	1817
GI	4416302	Score	619
Exons	1..113, 1008..1817		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	46113	Seq. ID	OJ991119_04.0314.C7
Gene No.	97753	Strand	+
Start	4854	End	5475
Name	OJ991119_04.0314.C7.o2.np	Method	AAT/NAP
Start	4854	End	5475
GI	119714	Score	96
Exons	4854..5475		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	46113	Seq. ID	OJ991119_04.0314.C7
Gene No.	97754	Strand	-
Start	1326	End	1847
Name	OJ991119_04.0314.C7.o1.gs	Method	GENSCAN
Start	1326	End	1847
GI	none	Score	.57
Exons	1326..1443, 1633..1847		

Seq. No.	46113	Seq. ID	OJ991119_04.0314.C7
Gene No.	97755	Strand	-
Start	3030	End	7459
Name	OJ991119_04.0314.C7.o1.tm	Method	TBLASTX:Maize
Start	1162	End	1796
GI	none	Score	134

Exons	1162..1308, 1305..1796, 1307..1753, 1386..1784		
Seq. No.	46113	Seq. ID	OJ991119_04.0314.C7
Gene No.	97755	Strand	-
Start	3030	End	7459
Name	OJ991119_04.0314.C7.o1.ts	Method	TBLASTX:Soybean
Start	1177	End	1844
GI	none	Score	103
Exons	1177..1338, 1308..1547, 1346..1504, 1566..1844, 1580..1672		
Seq. No.	46113	Seq. ID	OJ991119_04.0314.C7
Gene No.	97755	Strand	-
Start	3030	End	7459
Name	OJ991119_04.0314.C7.o1.tw	Method	TBLASTX:Wheat
Start	1389	End	1751
GI	none	Score	88
Exons	1389..1556, 1575..1751, 1578..1751		
Seq. No.	46113	Seq. ID	OJ991119_04.0314.C7
Gene No.	97755	Strand	-
Start	3030	End	7459
Name	OJ991119_04.0314.C7.o2.gs	Method	GENSCAN
Start	3030	End	7459
GI	none	Score	.61
Exons	3030..3186, 3839..3944, 4271..4566, 4954..5156, 5314..5485, 5540..5634, 6166..6332, 7215..7459		
Seq. No.	46114	Seq. ID	OJ991119_04.0314.C8
Gene No.	97756	Strand	+
Start	228	End	1105
Name	OJ991119_04.0314.C8.o1.gs	Method	GENSCAN
Start	228	End	1105
GI	none	Score	.63
Exons	228..323, 464..1105		
Seq. No.	46114	Seq. ID	OJ991119_04.0314.C8
Gene No.	97756	Strand	+
Start	228	End	1105
Name	OJ991119_04.0314.C8.o2.tw	Method	TBLASTX:Wheat
Start	662	End	1013
GI	none	Score	125
Exons	662..787, 664..786, 788..1009, 791..880, 804..1013		
Seq. No.	46114	Seq. ID	OJ991119_04.0314.C8
Gene No.	97757	Strand	
Start	1016	End	1607
Name	OJ991119_04.0314.C8.o1.tm	Method	TBLASTX:Maize
Start	1016	End	1548
GI	none	Score	46
Exons	1016..1054, 1070..1264, 1261..1497, 1510..1548		
Seq. No.	46114	Seq. ID	OJ991119_04.0314.C8
Gene No.	97757	Strand	
Start	1016	End	1607
Name	OJ991119_04.0314.C8.o1.tw	Method	TBLASTX:Wheat
Start	1264	End	1607
GI	none	Score	284

Exons	1264..1554, 1332..1547, 1547..1606, 1548..1607		
Seq. No.	46115	Seq. ID	OJ991119_04.0314.C9
Gene No.	97758	Strand	+
Start	130	End	1401
Name	OJ991119_04.0314.C9.o1.tm	Method	TBLASTX:Maize
Start	1	End	681
GI	none	Score	514
Exons	1..681, 75..161, 195..341		
Seq. No.	46115	Seq. ID	OJ991119_04.0314.C9
Gene No.	97758	Strand	+
Start	130	End	1401
Name	OJ991119_04.0314.C9.o2.tw	Method	TBLASTX:Wheat
Start	18	End	368
GI	none	Score	127
Exons	18..194, 19..195, 202..357, 204..368		
Seq. No.	46115	Seq. ID	OJ991119_04.0314.C9
Gene No.	97758	Strand	+
Start	130	End	1401
Name	OJ991119_04.0314.C9.o1.gs	Method	GENSCAN
Start	130	End	1312
GI	none	Score	.65
Exons	130..409, 917..1167, 1262..1312		
Seq. No.	46115	Seq. ID	OJ991119_04.0314.C9
Gene No.	97758	Strand	+
Start	130	End	1401
Name	OJ991119_04.0314.C9.o1.ts	Method	TBLASTX:Soybean
Start	286	End	813
GI	none	Score	51
Exons	286..342, 417..443, 418..639, 531..638, 628..813, 648..743		
Seq. No.	46115	Seq. ID	OJ991119_04.0314.C9
Gene No.	97758	Strand	+
Start	130	End	1401
Name	OJ991119_04.0314.C9.o1.tw	Method	TBLASTX:Wheat
Start	436	End	843
GI	none	Score	286
Exons	436..810, 531..785, 805..843		
Seq. No.	46115	Seq. ID	OJ991119_04.0314.C9
Gene No.	97758	Strand	+
Start	130	End	1401
Name	OJ991119_04.0314.C9.o2.tm	Method	TBLASTX:Maize
Start	885	End	1339
GI	none	Score	275
Exons	885..1220, 886..1236, 1274..1339		
Seq. No.	46115	Seq. ID	OJ991119_04.0314.C9
Gene No.	97758	Strand	+
Start	130	End	1401
Name	OJ991119_04.0314.C9.o3.tw	Method	TBLASTX:Wheat
Start	1087	End	1401
GI	none	Score	106
Exons	1087..1227, 1217..1246, 1253..1339, 1276..1329, 1333..1401		

Seq. No.	46116	Seq. ID	OJ991119_07.0316.C2
Gene No.	97759	Strand	+
Start	36	End	293
Name	OJ991119_07.0316.C2.o1.gs	Method	GENSCAN
Start	36	End	293
GI	none	Score	.76
Exons	36..293		

Seq. No.	46117	Seq. ID	OJ991119_07.0316.C3
Gene No.	97760	Strand	-
Start	388	End	5784
Name	OJ991119_07.0316.C3.o1.gp	Method	AAT/GAP
Start	388	End	5784
GI	23232_1.R1084	Score	590
Exons	388..454, 5513..5784		
GI Descrip.	'4544372/gb|AAD22283.1|AC006920_7 6.0e-26 (AC006920) putative reverse transcriptase [Arabidopsis thaliana]'		

Seq. No.	46117	Seq. ID	OJ991119_07.0316.C3
Gene No.	97761	Strand	-
Start	5748	End	6922
Name	OJ991119_07.0316.C3.o2.gs	Method	GENSCAN
Start	5748	End	6922
GI	none	Score	.52
Exons	5748..5905, 6805..6922		

Seq. No.	46117	Seq. ID	OJ991119_07.0316.C3
Gene No.	97762	Strand	-
Start	8050	End	10521
Name	OJ991119_07.0316.C3.o3.gs	Method	GENSCAN
Start	8050	End	9736
GI	none	Score	.59
Exons	8050..8400, 8679..8797, 9026..9172, 9569..9736		

Seq. No.	46117	Seq. ID	OJ991119_07.0316.C3
Gene No.	97762	Strand	-
Start	8050	End	10521
Name	OJ991119_07.0316.C3.o1.np	Method	AAT/NAP
Start	8176	End	10521
GI	3283026	Score	131
Exons	8176..8489, 8679..8797, 10498..10521		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	46118	Seq. ID	OJ991119_07.0316.C4
Gene No.	97763	Strand	+
Start	24	End	341
Name	OJ991119_07.0316.C4.o1.gs	Method	GENSCAN
Start	24	End	341
GI	none	Score	.68
Exons	24..64, 287..341		

Seq. No.	46118	Seq. ID	OJ991119_07.0316.C4
Gene No.	97764	Strand	+
Start	1413	End	7721
Name	OJ991119_07.0316.C4.o2.gs	Method	GENSCAN
Start	1413	End	7721

GI	none	Score	.61
Exons	1413..1736, 3396..3552, 3612..3752, 3894..4074, 4076..4232, 4255..4324, 6101..6150, 7031..7193, 7648..7721		

Seq. No.	46118	Seq. ID	OJ991119_07.0316.C4
Gene No.	97764	Strand	+
Start	1413	End	7721
Name	OJ991119_07.0316.C4.o1.gp	Method	AAT/GAP
Start	4195	End	5106
GI	none	Score	1207
Exons	4195..4324, 4435..4529, 4680..5106		

Seq. No.	46118	Seq. ID	OJ991119_07.0316.C4
Gene No.	97764	Strand	+
Start	1413	End	7721
Name	OJ991119_07.0316.C4.o3.gp	Method	AAT/GAP
Start	7050	End	7633
GI	none	Score	790
Exons	7050..7193, 7371..7633		

Seq. No.	46118	Seq. ID	OJ991119_07.0316.C4
Gene No.	97765	Strand	-
Start	6465	End	6877
Name	OJ991119_07.0316.C4.o2.gp	Method	AAT/GAP
Start	6465	End	6877
GI	LIB3433-057-P1-K1-A1	Score	396
Exons	6465..6877		
GI Descrip.	'1245938/gb|S80361|S80361 3.0e-11 rabClC-2 beta=chloride channel ClC-2G isoform [rabbits, heart atrium, mRNA, 2998 nt]'		

Seq. No.	46119	Seq. ID	OJ991119_07.0316.C5
Gene No.	97766	Strand	-
Start	174	End	267
Name	OJ991119_07.0316.C5.o1.gs	Method	GENSCAN
Start	174	End	267
GI	none	Score	.54
Exons	174..267		

Seq. No.	46120	Seq. ID	OJ991119_07.0316.C6
Gene No.	97767	Strand	-
Start	2430	End	2889
Name	OJ991119_07.0316.C6.o1.gp	Method	AAT/GAP
Start	2430	End	2889
GI	LIB3432-059-P1-K1-D8	Score	737
Exons	2430..2889		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	46120	Seq. ID	OJ991119_07.0316.C6
Gene No.	97768	Strand	-
Start	4483	End	4683
Name	OJ991119_07.0316.C6.o2.gs	Method	GENSCAN
Start	4483	End	4683
GI	none	Score	.96
Exons	4483..4683		

Seq. No.	46121	Seq. ID	OJ991119_07.0316.C7

Gene No.	97769	Strand	+
Start	1	End	3714
Name	OJ991119_07.0316.C7.o2.np	Method	AAT/NAP
Start	1	End	3476
GI	2129651	Score	79
Exons	1..39, 3234..3290, 3348..3476		
GI Descrip.	myosin heavy chain ATM2 - Arabidopsis thaliana (fragment) gi|499045|emb|CAA84065.1| (Z34292) myosin [Arabidopsis thaliana]		

Seq. No.	46121	Seq. ID	OJ991119_07.0316.C7
Gene No.	97769	Strand	+
Start	1	End	3714
Name	OJ991119_07.0316.C7.o1.np	Method	AAT/NAP
Start	2989	End	3346
GI	7363269	Score	127
Exons	2989..3346		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	46121	Seq. ID	OJ991119_07.0316.C7
Gene No.	97769	Strand	+
Start	1	End	3714
Name	OJ991119_07.0316.C7.o1.gs	Method	GENSCAN
Start	3060	End	3714
GI	none	Score	.63
Exons	3060..3416, 3619..3714		

Seq. No.	46121	Seq. ID	OJ991119_07.0316.C7
Gene No.	97770	Strand	+
Start	4690	End	6347
Name	OJ991119_07.0316.C7.o3.np	Method	AAT/NAP
Start	4690	End	6347
GI	5295951	Score	185
Exons	4690..4912, 5092..5471, 6302..6347		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	46121	Seq. ID	OJ991119_07.0316.C7
Gene No.	97771	Strand	-
Start	4795	End	5172
Name	OJ991119_07.0316.C7.o2.gs	Method	GENSCAN
Start	4795	End	5172
GI	none	Score	1
Exons	4795..4968, 5041..5172		

Seq. No.	46121	Seq. ID	OJ991119_07.0316.C7
Gene No.	97772	Strand	-
Start	5938	End	6300
Name	OJ991119_07.0316.C7.o3.gs	Method	GENSCAN
Start	5938	End	6300
GI	none	Score	.8
Exons	5938..6300		

Seq. No.	46122	Seq. ID	OJ991119_07.0316.C9
Gene No.	97773	Strand	+
Start	1	End	439
Name	OJ991119_07.0316.C9.o1.np	Method	AAT/NAP
Start	1	End	439

GI	6815052	Score	90
Exons	1..52, 315..439		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	46122	Seq. ID	OJ991119_07.0316.C9
Gene No.	97774	Strand	-
Start	1826	End	1915
Name	OJ991119_07.0316.C9.o1.gp	Method	AAT/GAP
Start	1826	End	1915
GI	LIB3477-003-P1-K1-E9	Score	132
Exons	1826..1915		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46123	Seq. ID	OJ991119_07.0316.C10
Gene No.	97775	Strand	+
Start	186	End	1349
Name	OJ991119_07.0316.C10.o1.gs	Method	GENSCAN
Start	186	End	1349
GI	none	Score	.79
Exons	186..468, 1235..1349		

Seq. No.	46123	Seq. ID	OJ991119_07.0316.C10
Gene No.	97776	Strand	-
Start	2660	End	3358
Name	OJ991119_07.0316.C10.o2.gs	Method	GENSCAN
Start	2660	End	3358
GI	none	Score	.57
Exons	2660..2697, 2737..2858, 2910..3358		

Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97777	Strand	+
Start	85	End	2768
Name	OJ991119_07.0316.C11.o1.gs	Method	GENSCAN
Start	85	End	2768
GI	none	Score	.73
Exons	85..486, 598..1357, 2464..2768		

Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97777	Strand	+
Start	85	End	2768
Name	OJ991119_07.0316.C11.o1.np	Method	AAT/NAP
Start	186	End	697
GI	7438357	Score	467
Exons	186..486, 598..697		
GI Descrip.	myb-related protein 3 homolog T26B15.2 - Arabidopsis thaliana gi|3298534|gb|AAC25928.1| (AC004681) putative MYB family transcription factor [Arabidopsis thaliana]		

Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97778	Strand	+
Start	17847	End	19152
Name	OJ991119_07.0316.C11.o3.np	Method	AAT/NAP
Start	17847	End	19152
GI	6815099	Score	70
Exons	17847..17868, 19035..19152		

GI Descrip. (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97779	Strand	-
Start	4015	End	5445
Name	OJ991119_07.0316.C11.o2.gs	Method	GENSCAN
Start	4015	End	5445
GI	none	Score	.91
Exons	4015..4103, 5403..5445		

Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97780	Strand	-
Start	7192	End	8783
Name	OJ991119_07.0316.C11.o3.gs	Method	GENSCAN
Start	7192	End	8783
GI	none	Score	.8
Exons	7192..7203, 7478..7572, 8663..8783		

Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97781	Strand	-
Start	11792	End	16989
Name	OJ991119_07.0316.C11.o1.ts	Method	TBLASTX:Soybean
Start	229	End	657
GI	none	Score	295
Exons	229..495, 580..657		

Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97781	Strand	-
Start	11792	End	16989
Name	OJ991119_07.0316.C11.o2.tc	Method	TBLASTX:Cress
Start	234	End	666
GI	none	Score	387
Exons	234..350, 235..483, 399..482, 595..666, 597..647		

Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97781	Strand	-
Start	11792	End	16989
Name	OJ991119_07.0316.C11.o2.tm	Method	TBLASTX:Maize
Start	235	End	693
GI	none	Score	268
Exons	235..417, 237..254, 309..350, 397..489, 402..479, 598..693, 600..692		

Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97781	Strand	-
Start	11792	End	16989
Name	OJ991119_07.0316.C11.o2.tw	Method	TBLASTX:Wheat
Start	241	End	657
GI	none	Score	268
Exons	241..489, 402..479, 576..653, 580..657		

Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97781	Strand	-
Start	11792	End	16989
Name	OJ991119_07.0316.C11.o1.tm	Method	TBLASTX:Maize
Start	11777	End	12295
GI	none	Score	291

Exons	11777..12097, 11787..12293, 11787..12179, 11789..12292, 12143..12295, 12220..12294		
Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97781	Strand	-
Start	11792	End	16989
Name	OJ991119_07.0316.C11.o2.ts	Method	TBLASTX:Soybean
Start	11786	End	12071
GI	none	Score	279
Exons	11786..11965, 11793..12071, 12014..12070		
Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97781	Strand	-
Start	11792	End	16989
Name	OJ991119_07.0316.C11.o4.gs	Method	GENSCAN
Start	11792	End	16989
GI	none	Score	.79
Exons	11792..12935, 14767..14904, 15279..15359, 15666..15687, 15936..16173, 16538..16737, 16764..16989		
Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97781	Strand	-
Start	11792	End	16989
Name	OJ991119_07.0316.C11.o1.tc	Method	TBLASTX:Cress
Start	11793	End	12526
GI	none	Score	396
Exons	11793..12290, 11801..11965, 11943..12137, 12014..12316, 12390..12512, 12422..12526		
Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97781	Strand	-
Start	11792	End	16989
Name	OJ991119_07.0316.C11.o2.np	Method	AAT/NAP
Start	11795	End	13091
GI	2388583	Score	1083
Exons	11795..13091		
GI Descrip.	(AC000098) Similar to Synechocystis hypothetical protein (gb|D90908). [Arabidopsis thaliana]		
Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97781	Strand	-
Start	11792	End	16989
Name	OJ991119_07.0316.C11.o2.gp	Method	AAT/GAP
Start	11876	End	12294
GI	uC-osflcyp030d12b1	Score	823
Exons	11876..12294		
GI Descrip.	'3298536 3.0e-39 (AC004681) unknown protein [Arabidopsis thaliana]'		
Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97781	Strand	-
Start	11792	End	16989
Name	OJ991119_07.0316.C11.o3.ts	Method	TBLASTX:Soybean
Start	12104	End	12523
GI	none	Score	93
Exons	12104..12313, 12114..12305, 12363..12512, 12422..12523		

Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97781	Strand	-
Start	11792	End	16989
Name	OJ991119_07.0316.C11.o1.tw	Method	TBLASTX:Wheat
Start	12362	End	12781
GI	none	Score	257
Exons	12362..12601, 12363..12599, 12695..12781		

Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97781	Strand	-
Start	11792	End	16989
Name	OJ991119_07.0316.C11.o3.tc	Method	TBLASTX:Cress
Start	12539	End	12838
GI	none	Score	171
Exons	12539..12601, 12695..12838		

Seq. No.	46124	Seq. ID	OJ991119_07.0316.C11
Gene No.	97781	Strand	-
Start	11792	End	16989
Name	OJ991119_07.0316.C11.o3.gp	Method	AAT/GAP
Start	12711	End	13029
GI	LIB3474-012-P1-K1-C11	Score	553
Exons	12711..13029		
GI Descrip.	'3298536 6.0e-10 (AC004681) unknown protein [Arabidopsis thaliana]'		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97782	Strand	+
Start	1896	End	5815
Name	OJ991119_07.0316.C12.o1.gs	Method	GENSCAN
Start	1896	End	5815
GI	none	Score	.54
Exons	1896..2252, 2688..5264, 5496..5540, 5627..5815		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97783	Strand	+
Start	10009	End	13773
Name	OJ991119_07.0316.C12.o3.gs	Method	GENSCAN
Start	10009	End	13773
GI	none	Score	.74
Exons	10009..10093, 10293..10356, 10390..10465, 10729..10940, 11037..11228, 11281..11495, 11576..11700, 11812..11985, 12019..12077, 12148..12780, 13025..13170, 13256..13773		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97783	Strand	+
Start	10009	End	13773
Name	OJ991119_07.0316.C12.o3.np	Method	AAT/NAP
Start	10780	End	12790
GI	6721558	Score	221
Exons	10780..10879, 11576..11719, 12604..12790		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97783	Strand	+

Start	10009	End	13773
Name	OJ991119_07.0316.C12.o4.np	Method	AAT/NAP
Start	10863	End	12909
GI	6721561	Score	984
Exons	10863..10931, 11767..11946, 12019..12077, 12148..12909		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97784	Strand	+
Start	20526	End	30995
Name	OJ991119_07.0316.C12.o5.gs	Method	GENSCAN
Start	20526	End	30599
GI	none	Score	.53
Exons	20526..20610, 21321..21331, 21756..21878, 21971..22061, 22106..22276, 23801..23917, 23965..24044, 26805..26885, 28179..28305, 28490..28865, 29657..30599		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97784	Strand	+
Start	20526	End	30995
Name	OJ991119_07.0316.C12.o8.np	Method	AAT/NAP
Start	27440	End	30995
GI	7106512	Score	1758
Exons	27440..27500, 27573..28952, 29594..30579, 30634..30995		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97784	Strand	+
Start	20526	End	30995
Name	OJ991119_07.0316.C12.o10.np	Method	AAT/NAP
Start	29596	End	30995
GI	7106512	Score	1221
Exons	29596..30579, 30634..30995		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97785	Strand	+
Start	31410	End	34470
Name	OJ991119_07.0316.C12.o6.gs	Method	GENSCAN
Start	31410	End	34470
GI	none	Score	.82
Exons	31410..31586, 31681..31870, 33625..33807, 33858..34130, 34145..34470		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97785	Strand	+
Start	31410	End	34470
Name	OJ991119_07.0316.C12.o11.np	Method	AAT/NAP
Start	32776	End	34382
GI	5823020	Score	94
Exons	32776..32912, 33770..34382		

GI Descrip. (AF089849) senescence-specific cysteine protease [Brassica napus]

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97786	Strand	+
Start	36520	End	39559
Name	OJ991119_07.0316.C12.o7.gs	Method	GENSCAN
Start	36520	End	39458
GI	none	Score	.61
Exons	36520..36738, 37093..39458		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97786	Strand	+
Start	36520	End	39559
Name	OJ991119_07.0316.C12.o12.np	Method	AAT/NAP
Start	37384	End	37896
GI	5305469	Score	886
Exons	37384..37896		
GI Descrip.	(AF074894) resistance protein [Oryza sativa]		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97786	Strand	+
Start	36520	End	39559
Name	OJ991119_07.0316.C12.o13.np	Method	AAT/NAP
Start	37912	End	39559
GI	4234953	Score	440
Exons	37912..38388, 38434..39007, 39050..39559		
GI Descrip.	(AF098970) NBS-LRR-like protein cD7 [Phaseolus vulgaris]		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97786	Strand	+
Start	36520	End	39559
Name	OJ991119_07.0316.C12.o14.np	Method	AAT/NAP
Start	38251	End	39559
GI	6721518	Score	264
Exons	38251..39009, 39040..39259, 39516..39559		
GI Descrip.	(AP001072) Similar to NBS-LRR-like protein cD7. (AF098970) [Oryza sativa]		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97787	Strand	-
Start	6319	End	10331
Name	OJ991119_07.0316.C12.o2.gs	Method	GENSCAN
Start	6319	End	9898
GI	none	Score	.83
Exons	6319..6397, 6946..6992, 7290..7603, 7683..7805, 8669..8806, 9055..9148, 9806..9898		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97787	Strand	-
Start	6319	End	10331
Name	OJ991119_07.0316.C12.o1.gp	Method	AAT/GAP
Start	6810	End	8813
GI	5667274	Score	1096
Exons	6810..6861, 6946..6992, 7290..7603, 7683..7805, 8669..8813		
GI Descrip.	6056425/gb|AAF02889.1|AC009525_23 3.0e-64 (AC009525) Putative ribosomal protein L19 [Arabidopsis thaliana]		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97787	Strand	-
Start	6319	End	10331
Name	OJ991119_07.0316.C12.o1.np	Method	AAT/NAP
Start	6909	End	8780
GI	6056425	Score	750
Exons	6909..7001, 7290..7603, 7683..7805, 8669..8780		
GI Descrip.	(AC009525) Putative ribosomal protein L19 [Arabidopsis thaliana]		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97787	Strand	-
Start	6319	End	10331
Name	OJ991119_07.0316.C12.o2.np	Method	AAT/NAP
Start	8145	End	10331
GI	7523517	Score	160
Exons	8145..8194, 9828..9882, 10026..10331		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97788	Strand	-
Start	14391	End	21475
Name	OJ991119_07.0316.C12.o5.np	Method	AAT/NAP
Start	14391	End	17510
GI	5902445	Score	3092
Exons	14391..15632, 15672..17510		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97788	Strand	-
Start	14391	End	21475
Name	OJ991119_07.0316.C12.o6.np	Method	AAT/NAP
Start	16549	End	21475
GI	5902444	Score	476
Exons	16549..16629, 17912..18956, 19258..19338, 21419..21475		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97788	Strand	-
Start	14391	End	21475
Name	OJ991119_07.0316.C12.o7.np	Method	AAT/NAP
Start	18676	End	20843
GI	7523517	Score	142
Exons	18676..18721, 20546..20843		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97789	Strand	-
Start	24368	End	24434
Name	OJ991119_07.0316.C12.o2.gp	Method	AAT/GAP
Start	24368	End	24434
GI	uC-osroM202024h08a1	Score	95
Exons	24368..24434		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12

Gene No.	97790	Strand	-
Start	31386	End	31538
Name	OJ991119_07.0316.C12.o9.np	Method	AAT/NAP
Start	31386	End	31538
GI	7106513	Score	236
Exons	31386..31538		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o2.tc	Method	TBLASTX:Cress
Start	2964	End	38703
GI	none	Score	115
Exons	2964..3161, 3162..3233, 3348..3425, 3435..3560, 3567..3728, 4173..4262, 37362..37409, 37363..37479, 37564..37629, 37636..37722, 37738..37809, 37828..37962, 37842..37961, 38008..38133, 38572..38703		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o4.ts	Method	TBLASTX:Soybean
Start	2978	End	37854
GI	none	Score	62
Exons	2978..3037, 2979..3038, 3044..3112, 3045..3128, 3153..3257, 3191..3232, 3276..3452, 37378..37437, 37549..37707, 37666..37854		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o5.tm	Method	TBLASTX:Maize
Start	3348	End	38289
GI	none	Score	261
Exons	3348..3770, 3593..3772, 37750..38226, 37851..37970, 38245..38289		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o2.ts	Method	TBLASTX:Soybean
Start	3456	End	38838
GI	none	Score	241
Exons	3456..3734, 3456..3575, 3566..3739, 3836..3910, 3837..3935, 4131..4325, 4344..4478, 4500..4652, 37858..38136, 37860..37976, 38031..38081, 38242..38358, 38518..38685, 38704..38838		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o1.tm	Method	TBLASTX:Maize
Start	7262	End	8781
GI	none	Score	389
Exons	7262..7603, 7288..7602, 7290..7604, 7363..7605, 7661..7801, 7681..7803, 7681..7803, 8661..8780, 8662..8781		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-

Start	33234	End	38889
Name	OJ991119_07.0316.C12.o2.tw	Method	TBLASTX:Wheat
Start	7277	End	8793
GI	none	Score	398
Exons	7277..7603, 7288..7602, 7290..7604, 7363..7605, 7661..7801, 7681..7803, 7681..7803, 7682..7804, 8657..8707, 8661..8792, 8662..8793		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o1.tc	Method	TBLASTX:Cress
Start	7290	End	8950
GI	none	Score	195
Exons	7290..7604, 7337..7501, 7363..7605, 7681..7833, 7682..7801, 8661..8786, 8662..8790, 8894..8950		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o1.ts	Method	TBLASTX:Soybean
Start	7290	End	8781
GI	none	Score	231
Exons	7290..7604, 7337..7603, 7363..7605, 7661..7801, 7681..7803, 7681..7803, 7682..7804, 8661..8780, 8662..8781		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o4.tw	Method	TBLASTX:Wheat
Start	14400	End	15008
GI	none	Score	68
Exons	14400..14531, 14413..14526, 14556..15008		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o5.tw	Method	TBLASTX:Wheat
Start	15132	End	15515
GI	none	Score	202
Exons	15132..15515, 15133..15507		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o3.tm	Method	TBLASTX:Maize
Start	15210	End	15515
GI	none	Score	182
Exons	15210..15515, 15211..15498		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o8.tw	Method	TBLASTX:Wheat
Start	15720	End	38889
GI	none	Score	75
Exons	15720..15974, 15724..15972, 38833..38889		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o6.tw	Method	TBLASTX:Wheat
Start	16017	End	16425
GI	none	Score	49
Exons	16017..16082, 16017..16190, 16198..16425, 16200..16424		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o3.ts	Method	TBLASTX:Soybean
Start	16515	End	16940
GI	none	Score	71
Exons	16515..16940, 16756..16908		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o3.tw	Method	TBLASTX:Wheat
Start	16570	End	16994
GI	none	Score	270
Exons	16570..16947, 16572..16994, 16853..16954		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o4.tm	Method	TBLASTX:Maize
Start	16668	End	17051
GI	none	Score	124
Exons	16668..17051, 16669..16947		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o2.tm	Method	TBLASTX:Maize
Start	17079	End	17435
GI	none	Score	173
Exons	17079..17369, 17079..17435, 17080..17394		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o1.tw	Method	TBLASTX:Wheat
Start	17109	End	17564
GI	none	Score	352
Exons	17109..17561, 17110..17550, 17124..17564		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o7.tw	Method	TBLASTX:Wheat
Start	18479	End	18877
GI	none	Score	250
Exons	18479..18877		

Seq. No.	46125	Seq. ID	OJ991119_07.0316.C12
Gene No.	97791	Strand	-
Start	33234	End	38889
Name	OJ991119_07.0316.C12.o4.gp	Method	AAT/GAP
Start	33234	End	33544
GI	72524_1.R1084	Score	410
Exons	33234..33544		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	46126	Seq. ID	OJ991119_07.0316.C13
Gene No.	97792	Strand	+
Start	240	End	3182
Name	OJ991119_07.0316.C13.o1.gs	Method	GENSCAN
Start	240	End	3182
GI	none	Score	.46
Exons	240..423, 1967..2011, 2058..2277, 2696..3182		

Seq. No.	46126	Seq. ID	OJ991119_07.0316.C13
Gene No.	97793	Strand	-
Start	3769	End	6761
Name	OJ991119_07.0316.C13.o1.np	Method	AAT/NAP
Start	3740	End	4947
GI	6539248	Score	267
Exons	3740..4237, 4338..4562, 4803..4947		
GI Descrip.	(AC011765) putative lipase/acylhydrolase [Arabidopsis thaliana]		

Seq. No.	46126	Seq. ID	OJ991119_07.0316.C13
Gene No.	97793	Strand	-
Start	3769	End	6761
Name	OJ991119_07.0316.C13.o2.gs	Method	GENSCAN
Start	3769	End	6761
GI	none	Score	.88
Exons	3769..4239, 4340..4576, 4823..4947, 5761..5841, 6674..6761		

Seq. No.	46126	Seq. ID	OJ991119_07.0316.C13
Gene No.	97793	Strand	-
Start	3769	End	6761
Name	OJ991119_07.0316.C13.o1.tm	Method	TBLASTX:Maize
Start	3776	End	4245
GI	none	Score	114
Exons	3776..4045, 3778..4059, 4141..4245		

Seq. No.	46126	Seq. ID	OJ991119_07.0316.C13
Gene No.	97793	Strand	-
Start	3769	End	6761
Name	OJ991119_07.0316.C13.o1.ts	Method	TBLASTX:Soybean
Start	3841	End	4245
GI	none	Score	66
Exons	3841..4149, 4156..4245, 4172..4237		

Seq. No.	46126	Seq. ID	OJ991119_07.0316.C13
Gene No.	97793	Strand	-
Start	3769	End	6761
Name	OJ991119_07.0316.C13.o1.gp	Method	AAT/GAP
Start	4136	End	4458
GI	LIB3434-045-P1-K1-H11	Score	319

Exons	4136..4239, 4340..4458		
GI Descrip.	'2062705/gb|U90552|HSU90552 3.0e-10 Human butyrophilin (BTF5) mRNA, complete cds'		

Seq. No.	46126	Seq. ID	OJ991119_07.0316.C13
Gene No.	97793	Strand	-
Start	3769	End	6761
Name	OJ991119_07.0316.C13.o2.gp	Method	AAT/GAP
Start	4895	End	4947
GI	13677_1.R1084	Score	83
Exons	4895..4947		
GI Descrip.	'4914384/gb|AAD32919.1|AC007167_1 5.0e-15 (AC007167) putative APG protein [Arabidopsis thaliana]'		

Seq. No.	46127	Seq. ID	OJ991109_07.0328.C1
Gene No.	97794	Strand	+
Start	1	End	1256
Name	OJ991109_07.0328.C1.o1.gs	Method	GENSCAN
Start	1	End	1256
GI	none	Score	.74
Exons	1..595, 928..1256		

Seq. No.	46127	Seq. ID	OJ991109_07.0328.C1
Gene No.	97794	Strand	+
Start	1	End	1256
Name	OJ991109_07.0328.C1.o1.np	Method	AAT/NAP
Start	1	End	1202
GI	7106512	Score	1578
Exons	1..792, 848..1202		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46127	Seq. ID	OJ991109_07.0328.C1
Gene No.	97795	Strand	-
Start	1591	End	1734
Name	OJ991109_07.0328.C1.o2.np	Method	AAT/NAP
Start	1591	End	1734
GI	7106513	Score	252
Exons	1591..1734		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	46128	Seq. ID	OJ991109_07.0328.C3
Gene No.	97796	Strand	+
Start	4268	End	4662
Name	OJ991109_07.0328.C3.o1.gp	Method	AAT/GAP
Start	4268	End	4662
GI	31135_1.R1084	Score	682
Exons	4268..4662		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 6.0e-12 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	46128	Seq. ID	OJ991109_07.0328.C3
Gene No.	97797	Strand	-
Start	813	End	995
Name	OJ991109_07.0328.C3.o1.np	Method	AAT/NAP
Start	813	End	995
GI	7339719	Score	82

Exons	813..995		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97798	Strand	+
Start	1	End	4703
Name	OJ991109_07.0328.C4.o1.gp	Method	AAT/GAP
Start	1	End	2351
GI	700627	Score	294
Exons	1..51, 544..623, 2308..2351		
GI Descrip.	4063751 5.0e-15 (AC005851) putative white protein [Arabidopsis thaliana] >gi_4510409_gb_AAD21495.1_ (AC006929) putative white protein [Arabidopsis thaliana]		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97798	Strand	+
Start	1	End	4703
Name	OJ991109_07.0328.C4.o1.np	Method	AAT/NAP
Start	1	End	4535
GI	6978921	Score	437
Exons	1..61, 557..601, 2283..2772, 2924..3053, 3261..3923, 4128..4369, 4455..4535		
GI Descrip.	(AC021665) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97798	Strand	+
Start	1	End	4703
Name	OJ991109_07.0328.C4.o1.gs	Method	GENSCAN
Start	3	End	4703
GI	none	Score	.9
Exons	3..51, 544..623, 2308..2772, 2924..3049, 3134..3259, 3366..3923, 4126..4233, 4335..4703		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97798	Strand	+
Start	1	End	4703
Name	OJ991109_07.0328.C4.o2.gp	Method	AAT/GAP
Start	2656	End	3573
GI	4968958	Score	1074
Exons	2656..2772, 2924..3049, 3134..3259, 3366..3573		
GI Descrip.	4063751 6.0e-28 (AC005851) putative white protein [Arabidopsis thaliana] >gi_4510409_gb_AAD21495.1_ (AC006929) putative white protein [Arabidopsis thaliana]		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97799	Strand	+
Start	4682	End	5094
Name	OJ991109_07.0328.C4.o3.gp	Method	AAT/GAP
Start	4682	End	5094
GI	none	Score	740
Exons	4682..5094		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o4.tc	Method	TBLASTX:Cress
Start	3	End	2598

GI	none	Score	73
Exons	3..50, 528..617, 2308..2526, 2475..2528, 2515..2598, 2526..2597		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o2.tm	Method	TBLASTX:Maize
Start	2302	End	2658
GI	none	Score	429
Exons	2302..2466, 2305..2658, 2478..2657		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o4.ts	Method	TBLASTX:Soybean
Start	2308	End	2559
GI	none	Score	336
Exons	2308..2559, 2475..2555		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o1.tc	Method	TBLASTX:Cress
Start	2599	End	3776
GI	none	Score	53
Exons	2599..2667, 2649..2765, 2650..2757, 2923..3042, 2930..3046, 3134..3277, 3392..3733, 3393..3776		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o1.ts	Method	TBLASTX:Soybean
Start	2649	End	3665
GI	none	Score	127
Exons	2649..2747, 2650..2742, 2923..3033, 2930..3052, 3145..3240, 3146..3253, 3359..3655, 3366..3665		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o1.tm	Method	TBLASTX:Maize
Start	2659	End	4215
GI	none	Score	91
Exons	2659..2766, 2923..3033, 2930..3046, 3134..3277, 3374..3916, 3393..3920, 4126..4215		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o7.ts	Method	TBLASTX:Soybean
Start	3666	End	4233
GI	none	Score	273
Exons	3666..3920, 3674..3916, 4126..4233		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632

Name	OJ991109_07.0328.C4.o3.tw	Method	TBLASTX:Wheat
Start	3710	End	4448
GI	none	Score	322
Exons	3710..3928, 3711..3923, 4126..4233, 4126..4230, 4127..4231, 4322..4444, 4329..4448, 4334..4444, 4413..4448		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o2.tc	Method	TBLASTX:Cress
Start	3776	End	4694
GI	none	Score	183
Exons	3776..3922, 3777..3923, 3849..3923, 4125..4220, 4126..4233, 4129..4227, 4329..4433, 4334..4432, 4419..4694		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o5.ts	Method	TBLASTX:Soybean
Start	4329	End	4694
GI	none	Score	322
Exons	4329..4610, 4334..4465, 4620..4694		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o8.tm	Method	TBLASTX:Maize
Start	4353	End	4487
GI	none	Score	219
Exons	4353..4487, 4358..4474		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o3.tm	Method	TBLASTX:Maize
Start	6864	End	7523
GI	none	Score	43
Exons	6864..7085, 7021..7104, 7098..7523, 7174..7317		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o4.np	Method	AAT/NAP
Start	6864	End	10632
GI	7444451	Score	4043
Exons	6864..10632		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o2.ts	Method	TBLASTX:Soybean
Start	6879	End	7511
GI	none	Score	114
Exons	6879..7511, 6993..7313, 7141..7317, 7384..7509		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o2.tw	Method	TBLASTX:Wheat
Start	7275	End	7712
GI	none	Score	84
Exons	7275..7712, 7281..7454, 7285..7707		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o6.tc	Method	TBLASTX:Cress
Start	7578	End	7826
GI	none	Score	195
Exons	7578..7826		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o4.tm	Method	TBLASTX:Maize
Start	7647	End	8087
GI	none	Score	38
Exons	7647..7973, 7693..7740, 7783..7974, 7980..8087, 7996..8064		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o4.tw	Method	TBLASTX:Wheat
Start	7716	End	8219
GI	none	Score	61
Exons	7716..7889, 7881..7973, 7977..8219, 7996..8061, 8122..8202		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o3.ts	Method	TBLASTX:Soybean
Start	7890	End	8411
GI	5509260	Score	68
Exons	7890..7985, 7918..7977, 7980..8402, 7996..8250, 8151..8411		
GI Descrip.	-		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o5.tc	Method	TBLASTX:Cress
Start	8001	End	8270
GI	none	Score	156
Exons	8001..8270, 8002..8256		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o7.tm	Method	TBLASTX:Maize
Start	8088	End	8340
GI	none	Score	124
Exons	8088..8339, 8098..8340		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o5.tw	Method	TBLASTX:Wheat
Start	8952	End	9308
GI	none	Score	80
Exons	8952..9308, 8953..9105, 9117..9287		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o3.tc	Method	TBLASTX:Cress
Start	8964	End	9428
GI	none	Score	101
Exons	8964..9428, 9142..9408		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o5.tm	Method	TBLASTX:Maize
Start	8979	End	9312
GI	none	Score	118
Exons	8979..9305, 8986..9312		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o6.ts	Method	TBLASTX:Soybean
Start	8982	End	9413
GI	none	Score	277
Exons	8982..9413		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o9.tm	Method	TBLASTX:Maize
Start	9315	End	9677
GI	none	Score	55
Exons	9315..9428, 9420..9608, 9612..9677		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o8.ts	Method	TBLASTX:Soybean
Start	9420	End	9833
GI	none	Score	69
Exons	9420..9590, 9612..9743, 9738..9833		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o1.tw	Method	TBLASTX:Wheat
Start	9903	End	10288
GI	none	Score	171
Exons	9903..10283, 9921..10238, 9922..10284, 10100..10288, 10108..10284		

Seq. No.	46129	Seq. ID	OJ991109_07.0328.C4
Gene No.	97800	Strand	-
Start	6864	End	10632
Name	OJ991109_07.0328.C4.o6.tm	Method	TBLASTX:Maize
Start	9903	End	10193
GI	none	Score	64
Exons	9903..10004, 9903..10193, 9904..10119		

Seq. No.	46130	Seq. ID	OJ991109_07.0328.C7
Gene No.	97801	Strand	-
Start	1	End	1718
Name	OJ991109_07.0328.C7.o1.np	Method	AAT/NAP
Start	1	End	1718
GI	4416302	Score	1349
Exons	1..1718		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	46130	Seq. ID	OJ991109_07.0328.C7
Gene No.	97802	Strand	-
Start	1782	End	2188
Name	OJ991109_07.0328.C7.o1.tm	Method	TBLASTX:Maize
Start	331	End	1130
GI	none	Score	62
Exons	331..429, 332..433, 442..1008, 442..1023, 482..1063, 1057..1104, 1058..1123, 1059..1130		

Seq. No.	46130	Seq. ID	OJ991109_07.0328.C7
Gene No.	97802	Strand	-
Start	1782	End	2188
Name	OJ991109_07.0328.C7.o2.tw	Method	TBLASTX:Wheat
Start	367	End	708
GI	none	Score	45
Exons	367..456, 377..430, 477..614, 478..633, 478..618, 631..708		

Seq. No.	46130	Seq. ID	OJ991109_07.0328.C7
Gene No.	97802	Strand	-
Start	1782	End	2188
Name	OJ991109_07.0328.C7.o1.ts	Method	TBLASTX:Soybean
Start	490	End	951
GI	none	Score	48
Exons	490..951, 578..694, 761..922		

Seq. No.	46130	Seq. ID	OJ991109_07.0328.C7
Gene No.	97802	Strand	-
Start	1782	End	2188
Name	OJ991109_07.0328.C7.o1.tc	Method	TBLASTX:Cress
Start	493	End	909
GI	none	Score	200
Exons	493..909		

Seq. No.	46130	Seq. ID	OJ991109_07.0328.C7
Gene No.	97802	Strand	-
Start	1782	End	2188
Name	OJ991109_07.0328.C7.o1.tw	Method	TBLASTX:Wheat
Start	793	End	1364
GI	none	Score	114

Exons	793..969, 800..973, 802..1026, 993..1079, 1110..1325, 1119..1364		
Seq. No.	46130	Seq. ID	OJ991109_07.0328.C7
Gene No.	97802	Strand	-
Start	1782	End	2188
Name	OJ991109_07.0328.C7.o2.tm	Method	TBLASTX:Maize
Start	1135	End	1527
GI	none	Score	154
Exons	1135..1407, 1136..1360, 1137..1403, 1202..1408, 1396..1527, 1398..1526		
Seq. No.	46130	Seq. ID	OJ991109_07.0328.C7
Gene No.	97802	Strand	-
Start	1782	End	2188
Name	OJ991109_07.0328.C7.o3.tw	Method	TBLASTX:Wheat
Start	1437	End	1747
GI	none	Score	90
Exons	1437..1721, 1519..1671, 1709..1747		
Seq. No.	46130	Seq. ID	OJ991109_07.0328.C7
Gene No.	97802	Strand	-
Start	1782	End	2188
Name	OJ991109_07.0328.C7.o3.tm	Method	TBLASTX:Maize
Start	1530	End	1883
GI	none	Score	81
Exons	1530..1721, 1537..1665, 1709..1762, 1789..1881, 1791..1883		
Seq. No.	46130	Seq. ID	OJ991109_07.0328.C7
Gene No.	97802	Strand	-
Start	1782	End	2188
Name	OJ991109_07.0328.C7.o2.np	Method	AAT/NAP
Start	1782	End	2188
GI	4416301	Score	81
Exons	1782..1946, 2145..2188		
GI Descrip.	(AF105716) gag protein [Zea mays]		
Seq. No.	46131	Seq. ID	OJ991109_07.0328.C8
Gene No.	97803	Strand	+
Start	14	End	90
Name	OJ991109_07.0328.C8.o1.gs	Method	GENSCAN
Start	14	End	90
GI	none	Score	.92
Exons	14..90		
Seq. No.	46131	Seq. ID	OJ991109_07.0328.C8
Gene No.	97804	Strand	+
Start	82	End	328
Name	OJ991109_07.0328.C8.o1.gp	Method	AAT/GAP
Start	82	End	328
GI	3761181	Score	434
Exons	82..328		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	46131	Seq. ID	OJ991109_07.0328.C8
Gene No.	97805	Strand	-
Start	1	End	184

Name	OJ991109_07.0328.C8.o1.np	Method	AAT/NAP
Start	1	End	184
GI	7106512	Score	104
Exons	1..52, 125..184		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46132	Seq. ID	OJ991109_07.0328.C11
Gene No.	97806	Strand	-
Start	98	End	743
Name	OJ991109_07.0328.C11.o1.gs	Method	GENSCAN
Start	98	End	743
GI	none	Score	.59
Exons	98..188, 299..381, 570..743		

Seq. No.	46133	Seq. ID	OJ991109_07.0328.C15
Gene No.	97807	Strand	+
Start	1775	End	5356
Name	OJ991109_07.0328.C15.o1.np	Method	AAT/NAP
Start	1775	End	5356
GI	4680179	Score	4880
Exons	1775..5356		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	46133	Seq. ID	OJ991109_07.0328.C15
Gene No.	97807	Strand	+
Start	1775	End	5356
Name	OJ991109_07.0328.C15.o5.tw	Method	TBLASTX:Wheat
Start	2048	End	2407
GI	none	Score	277
Exons	2048..2407, 2173..2406		

Seq. No.	46133	Seq. ID	OJ991109_07.0328.C15
Gene No.	97807	Strand	+
Start	1775	End	5356
Name	OJ991109_07.0328.C15.o6.tm	Method	TBLASTX:Maize
Start	2288	End	2584
GI	none	Score	185
Exons	2288..2584, 2305..2448		

Seq. No.	46133	Seq. ID	OJ991109_07.0328.C15
Gene No.	97807	Strand	+
Start	1775	End	5356
Name	OJ991109_07.0328.C15.o5.tm	Method	TBLASTX:Maize
Start	2929	End	3249
GI	none	Score	209
Exons	2929..3249, 2973..3074		

Seq. No.	46133	Seq. ID	OJ991109_07.0328.C15
Gene No.	97807	Strand	+
Start	1775	End	5356
Name	OJ991109_07.0328.C15.o6.tw	Method	TBLASTX:Wheat
Start	2983	End	3336
GI	none	Score	268
Exons	2983..3336, 3166..3297		

Seq. No.	46133	Seq. ID	OJ991109_07.0328.C15

Gene No.	97807	Strand	+
Start	1775	End	5356
Name	OJ991109_07.0328.C15.o3.tw	Method	TBLASTX:Wheat
Start	3507	End	3993
GI	none	Score	528
Exons	3507..3950, 3511..3993		

Seq. No.	46133	Seq. ID	OJ991109_07.0328.C15
Gene No.	97807	Strand	+
Start	1775	End	5356
Name	OJ991109_07.0328.C15.o2.tm	Method	TBLASTX:Maize
Start	3576	End	4047
GI	none	Score	386
Exons	3576..3821, 3580..4047, 3667..4014		

Seq. No.	46133	Seq. ID	OJ991109_07.0328.C15
Gene No.	97807	Strand	+
Start	1775	End	5356
Name	OJ991109_07.0328.C15.o1.ts	Method	TBLASTX:Soybean
Start	3934	End	4338
GI	none	Score	57
Exons	3934..3966, 3934..3966, 3966..3995, 3970..4329, 3973..4047, 3977..4111, 4065..4328, 4075..4338		

Seq. No.	46133	Seq. ID	OJ991109_07.0328.C15
Gene No.	97807	Strand	+
Start	1775	End	5356
Name	OJ991109_07.0328.C15.o4.tw	Method	TBLASTX:Wheat
Start	4042	End	4344
GI	none	Score	394
Exons	4042..4344, 4062..4343		

Seq. No.	46133	Seq. ID	OJ991109_07.0328.C15
Gene No.	97807	Strand	+
Start	1775	End	5356
Name	OJ991109_07.0328.C15.o3.tm	Method	TBLASTX:Maize
Start	4063	End	4416
GI	none	Score	323
Exons	4063..4416, 4074..4334		

Seq. No.	46133	Seq. ID	OJ991109_07.0328.C15
Gene No.	97807	Strand	+
Start	1775	End	5356
Name	OJ991109_07.0328.C15.o1.tw	Method	TBLASTX:Wheat
Start	4345	End	4854
GI	none	Score	632
Exons	4345..4854, 4345..4764		

Seq. No.	46133	Seq. ID	OJ991109_07.0328.C15
Gene No.	97807	Strand	+
Start	1775	End	5356
Name	OJ991109_07.0328.C15.o3.ts	Method	TBLASTX:Soybean
Start	4354	End	4596
GI	none	Score	195
Exons	4354..4596		

Seq. No.	46133	Seq. ID	OJ991109_07.0328.C15

Gene No.	97807	Strand	+
Start	1775	End	5356
Name	OJ991109_07.0328.C15.o1.tm	Method	TBLASTX:Maize
Start	4417	End	4770
GI	none	Score	471
Exons	4417..4770, 4419..4670, 4459..4755		

Seq. No.	46133	Seq. ID	OJ991109_07.0328.C15
Gene No.	97807	Strand	+
Start	1775	End	5356
Name	OJ991109_07.0328.C15.o2.tw	Method	TBLASTX:Wheat
Start	4858	End	5337
GI	none	Score	570
Exons	4858..5337, 4876..5331, 4953..5336		

Seq. No.	46133	Seq. ID	OJ991109_07.0328.C15
Gene No.	97807	Strand	+
Start	1775	End	5356
Name	OJ991109_07.0328.C15.o4.tm	Method	TBLASTX:Maize
Start	4954	End	5355
GI	none	Score	308
Exons	4954..5151, 4987..5355, 5022..5213		

Seq. No.	46133	Seq. ID	OJ991109_07.0328.C15
Gene No.	97807	Strand	+
Start	1775	End	5356
Name	OJ991109_07.0328.C15.o2.ts	Method	TBLASTX:Soybean
Start	5125	End	5355
GI	none	Score	250
Exons	5125..5355		

Seq. No.	46134	Seq. ID	OJ991109_07.0328.C16
Gene No.	97808	Strand	+
Start	1	End	710
Name	OJ991109_07.0328.C16.o1.np	Method	AAT/NAP
Start	1	End	700
GI	4680179	Score	1099
Exons	1..700		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	46134	Seq. ID	OJ991109_07.0328.C16
Gene No.	97808	Strand	+
Start	1	End	710
Name	OJ991109_07.0328.C16.o2.tw	Method	TBLASTX:Wheat
Start	1	End	229
GI	none	Score	58
Exons	1..132, 1..225, 2..229		

Seq. No.	46134	Seq. ID	OJ991109_07.0328.C16
Gene No.	97808	Strand	+
Start	1	End	710
Name	OJ991109_07.0328.C16.o1.tm	Method	TBLASTX:Maize
Start	2	End	463
GI	none	Score	60
Exons	2..37, 35..133, 37..132, 151..318, 194..463, 202..462		

Seq. No.	46134	Seq. ID	OJ991109_07.0328.C16

Gene No.	97808	Strand	+
Start	1	End	710
Name	OJ991109_07.0328.C16.o1.gs	Method	GENSCAN
Start	50	End	703
GI	none	Score	.98
Exons	50..703		

Seq. No.	46134	Seq. ID	OJ991109_07.0328.C16
Gene No.	97808	Strand	+
Start	1	End	710
Name	OJ991109_07.0328.C16.o1.tw	Method	TBLASTX:Wheat
Start	233	End	655
GI	none	Score	454
Exons	233..655, 253..459		

Seq. No.	46134	Seq. ID	OJ991109_07.0328.C16
Gene No.	97808	Strand	+
Start	1	End	710
Name	OJ991109_07.0328.C16.o2.tm	Method	TBLASTX:Maize
Start	464	End	710
GI	none	Score	196
Exons	464..676, 678..710		

Seq. No.	46135	Seq. ID	OJ991109_07.0328.C20
Gene No.	97809	Strand	-
Start	615	End	1102
Name	OJ991109_07.0328.C20.o1.gs	Method	GENSCAN
Start	615	End	1017
GI	none	Score	.62
Exons	615..913, 936..1017		

Seq. No.	46135	Seq. ID	OJ991109_07.0328.C20
Gene No.	97809	Strand	-
Start	615	End	1102
Name	OJ991109_07.0328.C20.o1.np	Method	AAT/NAP
Start	764	End	1102
GI	5091513	Score	599
Exons	764..1102		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97810	Strand	+
Start	12407	End	15729
Name	OJ991109_07.0328.C21.o4.np	Method	AAT/NAP
Start	12407	End	15729
GI	6721512	Score	69
Exons	12407..12455, 14022..14103, 14132..14245, 15699..15729		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97811	Strand	+
Start	15763	End	18382
Name	OJ991109_07.0328.C21.o6.np	Method	AAT/NAP
Start	15757	End	18382
GI	6063557	Score	70
Exons	15757..15851, 18361..18382		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97811	Strand	+
Start	15763	End	18382
Name	OJ991109_07.0328.C21.o6.gs	Method	GENSCAN
Start	15763	End	17127
GI	none	Score	.45
Exons	15763..15857, 17007..17127		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97812	Strand	+
Start	19745	End	22841
Name	OJ991109_07.0328.C21.o8.np	Method	AAT/NAP
Start	19745	End	22841
GI	6630699	Score	124
Exons	19745..19833, 20164..20345, 22763..22841		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97813	Strand	+
Start	22969	End	33191
Name	OJ991109_07.0328.C21.o9.np	Method	AAT/NAP
Start	22969	End	25711
GI	6539570	Score	160
Exons	22969..23172, 23353..23419, 23766..23958, 25662..25711		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97813	Strand	+
Start	22969	End	33191
Name	OJ991109_07.0328.C21.o10.np	Method	AAT/NAP
Start	23761	End	33191
GI	3885341	Score	294
Exons	23761..23857, 26475..26653, 27984..28682, 33162..33191		
GI Descrip.	(AC005623) Mutator-like transposase [Arabidopsis thaliana]		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97814	Strand	-
Start	1	End	4087
Name	OJ991109_07.0328.C21.o1.np	Method	AAT/NAP
Start	1	End	2430
GI	5091513	Score	1281
Exons	1..907, 2394..2430		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97814	Strand	-
Start	1	End	4087
Name	OJ991109_07.0328.C21.o1.gs	Method	GENSCAN
Start	49	End	4087
GI	none	Score	.42
Exons	49..763, 1169..1229, 1606..3024, 3508..3591, 4073..4087		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97814	Strand	-

Start	1	End	4087
Name	OJ991109_07.0328.C21.o1.gp	Method	AAT/GAP
Start	1259	End	1505
GI	3761181	Score	433
Exons	1259..1505		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97815	Strand	-
Start	4586	End	11039
Name	OJ991109_07.0328.C21.o2.gs	Method	GENSCAN
Start	4586	End	6899
GI	none	Score	.6
Exons	4586..4773, 5474..5735, 5799..5942, 6060..6249, 6388..6899		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97815	Strand	-
Start	4586	End	11039
Name	OJ991109_07.0328.C21.o2.np	Method	AAT/NAP
Start	5460	End	11039
GI	5902445	Score	2497
Exons	5460..6701, 6741..6887, 9609..11039		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97815	Strand	-
Start	4586	End	11039
Name	OJ991109_07.0328.C21.o2.gp	Method	AAT/GAP
Start	7598	End	7979
GI	uC-osflcyp033a04b1	Score	663
Exons	7598..7979		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97815	Strand	-
Start	4586	End	11039
Name	OJ991109_07.0328.C21.o4.gs	Method	GENSCAN
Start	9561	End	10850
GI	none	Score	.74
Exons	9561..10050, 10249..10850		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97816	Strand	-
Start	11103	End	15288
Name	OJ991109_07.0328.C21.o5.gs	Method	GENSCAN
Start	11103	End	15288
GI	none	Score	.47
Exons	11103..11783, 11946..12520, 12640..12834, 12877..14050, 15142..15288		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97816	Strand	-
Start	11103	End	15288
Name	OJ991109_07.0328.C21.o3.np	Method	AAT/NAP
Start	11106	End	15033

GI	5902444	Score	885
Exons	11106..12620, 15013..15033		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97816	Strand	-
Start	11103	End	15288
Name	OJ991109_07.0328.C21.o5.np	Method	AAT/NAP
Start	14195	End	14494
GI	7523517	Score	366
Exons	14195..14494		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97817	Strand	-
Start	16892	End	17705
Name	OJ991109_07.0328.C21.o7.np	Method	AAT/NAP
Start	16892	End	17705
GI	5922620	Score	283
Exons	16892..17209, 17480..17705		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97818	Strand	-
Start	19556	End	22703
Name	OJ991109_07.0328.C21.o7.gs	Method	GENSCAN
Start	19556	End	22703
GI	none	Score	.77
Exons	19556..19730, 19819..19869, 19996..20482, 20778..20864, 22376..22703		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97819	Strand	-
Start	22749	End	31502
Name	OJ991109_07.0328.C21.o3.gp	Method	AAT/GAP
Start	22749	End	23185
GI	LIB3479-006-Q6-K1-B11	Score	595
Exons	22749..23185		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97819	Strand	-
Start	22749	End	31502
Name	OJ991109_07.0328.C21.o8.gs	Method	GENSCAN
Start	22978	End	31502
GI	none	Score	.59
Exons	22978..23092, 23098..23299, 23545..23772, 24345..24522, 24791..24965, 24971..25227, 25636..25875, 27534..27587, 31392..31502		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97820	Strand	-

Start	32952	End	34405
Name	OJ991109_07.0328.C21.o2.ts	Method	TBLASTX:Soybean
Start	1663	End	2952
GI	none	Score	83
Exons	1663..1800, 2434..2766, 2830..2952		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97820	Strand	-
Start	32952	End	34405
Name	OJ991109_07.0328.C21.o3.tw	Method	TBLASTX:Wheat
Start	5469	End	6077
GI	none	Score	64
Exons	5469..5600, 5470..5595, 5625..6077, 5821..5928, 5977..6063		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97820	Strand	-
Start	32952	End	34405
Name	OJ991109_07.0328.C21.o5.tw	Method	TBLASTX:Wheat
Start	6198	End	6581
GI	none	Score	169
Exons	6198..6581, 6199..6573		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97820	Strand	-
Start	32952	End	34405
Name	OJ991109_07.0328.C21.o2.tm	Method	TBLASTX:Maize
Start	6277	End	6581
GI	none	Score	158
Exons	6277..6495, 6285..6581		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97820	Strand	-
Start	32952	End	34405
Name	OJ991109_07.0328.C21.o1.ts	Method	TBLASTX:Soybean
Start	10044	End	10469
GI	none	Score	36
Exons	10044..10469, 10198..10233, 10285..10410		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97820	Strand	-
Start	32952	End	34405
Name	OJ991109_07.0328.C21.o2.tw	Method	TBLASTX:Wheat
Start	10099	End	10523
GI	none	Score	216
Exons	10099..10413, 10101..10523, 10242..10520		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97820	Strand	-
Start	32952	End	34405
Name	OJ991109_07.0328.C21.o3.tm	Method	TBLASTX:Maize
Start	10197	End	10580
GI	none	Score	102
Exons	10197..10580, 10201..10413, 10395..10520		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97820	Strand	-
Start	32952	End	34405

Name	OJ991109_07.0328.C21.o1.tm	Method	TBLASTX:Maize
Start	10608	End	10922
GI	none	Score	200
Exons	10608..10922, 10630..10884, 10659..10910		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97820	Strand	-
Start	32952	End	34405
Name	OJ991109_07.0328.C21.o1.tw	Method	TBLASTX:Wheat
Start	10638	End	11094
GI	none	Score	243
Exons	10638..11093, 10639..10884, 10656..11093, 10963..11094		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97820	Strand	-
Start	32952	End	34405
Name	OJ991109_07.0328.C21.o4.tw	Method	TBLASTX:Wheat
Start	11286	End	11741
GI	none	Score	69
Exons	11286..11522, 11404..11517, 11559..11741, 11560..11733		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97820	Strand	-
Start	32952	End	34405
Name	OJ991109_07.0328.C21.o6.tw	Method	TBLASTX:Wheat
Start	12372	End	12666
GI	none	Score	79
Exons	12372..12626, 12411..12620, 12487..12666		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97820	Strand	-
Start	32952	End	34405
Name	OJ991109_07.0328.C21.o3.ts	Method	TBLASTX:Soybean
Start	26576	End	28633
GI	none	Score	94
Exons	26576..26647, 27984..28052, 28051..28245, 28272..28451, 28553..28633		

Seq. No.	46136	Seq. ID	OJ991109_07.0328.C21
Gene No.	97820	Strand	-
Start	32952	End	34405
Name	OJ991109_07.0328.C21.o9.gs	Method	GENSCAN
Start	32952	End	34405
GI	none	Score	.81
Exons	32952..33157, 34202..34405		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97821	Strand	+
Start	9383	End	10533
Name	OJ991109_07.0328.C22.o2.gs	Method	GENSCAN
Start	9383	End	10533
GI	none	Score	.99
Exons	9383..9488, 9923..10533		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97822	Strand	+
Start	18438	End	22050

Name	OJ991109_07.0328.C22.o5.gs	Method	GENSCAN
Start	18438	End	22050
GI	none	Score	.69
Exons	18438..18540, 18567..18756, 19802..19940, 20178..20315, 20790..20913, 21590..22050		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97823	Strand	+
Start	23125	End	37763
Name	OJ991109_07.0328.C22.o6.gs	Method	GENSCAN
Start	23125	End	37763
GI	none	Score	.4
Exons	23125..23137, 23192..23293, 23828..23934, 25940..25997, 27737..28397, 29877..29936, 30129..30332, 30437..30606, 30826..31004, 31556..31826, 31950..32343, 33139..33257, 34199..34297, 34962..35203, 35652..35803, 37637..37763		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97823	Strand	+
Start	23125	End	37763
Name	OJ991109_07.0328.C22.o2.np	Method	AAT/NAP
Start	30729	End	32344
GI	6539553	Score	2563
Exons	30729..32344		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97824	Strand	-
Start	77	End	13915
Name	OJ991109_07.0328.C22.o1.gs	Method	GENSCAN
Start	77	End	7613
GI	none	Score	.47
Exons	77..339, 1039..1114, 2019..2156, 2279..2335, 3128..3313, 3480..3545, 5793..6134, 6901..7020, 7473..7613		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97824	Strand	-
Start	77	End	13915
Name	OJ991109_07.0328.C22.o1.np	Method	AAT/NAP
Start	6859	End	13915
GI	100294	Score	225
Exons	6859..7023, 7473..7641, 8933..8991, 11432..11577, 11911..12062, 13725..13915		
GI Descrip.	ribonucleoprotein B, 29K - wood tobacco gi|14135|emb|CAA43428.1| (X61114) 29kD B ribonucleoprotein [Nicotiana sylvestris]		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97824	Strand	-
Start	77	End	13915
Name	OJ991109_07.0328.C22.o1.gp	Method	AAT/GAP
Start	8276	End	8356
GI	38012_1.R1084	Score	110
Exons	8276..8356		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa		

beta-1,3-glucanase precursor (Gns9) gene, complete cds'

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97824	Strand	-
Start	77	End	13915
Name	OJ991109_07.0328.C22.o3.gs	Method	GENSCAN
Start	11405	End	12049
GI	none	Score	.96
Exons	11405..11572, 11909..12049		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97824	Strand	-
Start	77	End	13915
Name	OJ991109_07.0328.C22.o2.gp	Method	AAT/GAP
Start	11462	End	12159
GI	none	Score	667
Exons	11462..11572, 11909..12159		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97825	Strand	-
Start	16772	End	18203
Name	OJ991109_07.0328.C22.o3.gp	Method	AAT/GAP
Start	16379	End	16805
GI	4714106	Score	784
Exons	16379..16805		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97825	Strand	-
Start	16772	End	18203
Name	OJ991109_07.0328.C22.o4.gs	Method	GENSCAN
Start	16772	End	18203
GI	none	Score	.95
Exons	16772..16930, 17496..17701, 17830..18034, 18105..18203		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97826	Strand	-
Start	28205	End	28640
Name	OJ991109_07.0328.C22.o4.gp	Method	AAT/GAP
Start	28205	End	28640
GI	LIB3431-034-P1-N1-C3	Score	856
Exons	28205..28640		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97827	Strand	-
Start	32065	End	33417
Name	OJ991109_07.0328.C22.o3.np	Method	AAT/NAP
Start	32065	End	33417
GI	7340868	Score	60
Exons	32065..32223, 33262..33417		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o5.tm	Method	TBLASTX:Maize

Start	24101	End	24388
GI	none	Score	188
Exons	24101..24388, 24176..24334		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o6.ts	Method	TBLASTX:Soybean
Start	24194	End	24605
GI	none	Score	112
Exons	24194..24355, 24393..24476, 24401..24604, 24522..24605		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o1.tm	Method	TBLASTX:Maize
Start	24414	End	25628
GI	none	Score	123
Exons	24414..24614, 24609..24884, 24871..25146, 25194..25385, 25524..25628		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o4.ts	Method	TBLASTX:Soybean
Start	24675	End	25301
GI	none	Score	80
Exons	24675..24839, 24871..25146, 25194..25301		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o4.tm	Method	TBLASTX:Maize
Start	27933	End	28422
GI	none	Score	121
Exons	27933..28025, 27937..28116, 27937..28026, 28180..28377, 28192..28422, 28195..28344, 28209..28364, 28290..28376		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o1.tc	Method	TBLASTX:Cress
Start	27937	End	28377
GI	none	Score	132
Exons	27937..28116, 27948..28019, 27952..28026, 28192..28365, 28198..28377, 28215..28376		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o1.ts	Method	TBLASTX:Soybean
Start	27937	End	28377
GI	none	Score	139
Exons	27937..28128, 27961..28026, 28177..28365, 28192..28377, 28206..28376		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22

Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o5.tw	Method	TBLASTX:Wheat
Start	28129	End	28377
GI	none	Score	146
Exons	28129..28377, 28165..28377, 28209..28376		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o4.tw	Method	TBLASTX:Wheat
Start	30495	End	30680
GI	none	Score	56
Exons	30495..30548, 30511..30549, 30554..30676, 30555..30677, 30561..30680		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o3.tw	Method	TBLASTX:Wheat
Start	30688	End	30929
GI	none	Score	173
Exons	30688..30927, 30724..30909, 30726..30929, 30770..30928		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o2.ts	Method	TBLASTX:Soybean
Start	30849	End	31312
GI	5509260	Score	139
Exons	30849..31040, 31022..31312, 31054..31161, 31240..31293		
GI Descrip.	-		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o2.tc	Method	TBLASTX:Cress
Start	30942	End	31201
GI	none	Score	134
Exons	30942..31040, 30944..31030, 31022..31201		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o2.tw	Method	TBLASTX:Wheat
Start	30984	End	31528
GI	none	Score	52
Exons	30984..31034, 31022..31327, 31130..31303, 31322..31528, 31387..31518		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o3.tm	Method	TBLASTX:Maize
Start	30984	End	31447
GI	none	Score	49
Exons	30984..31034, 31046..31447, 31118..31300		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o3.ts	Method	TBLASTX:Soybean
Start	31381	End	31726
GI	none	Score	304
Exons	31381..31581, 31382..31726		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o2.tm	Method	TBLASTX:Maize
Start	31544	End	31860
GI	none	Score	310
Exons	31544..31858, 31544..31843, 31552..31860		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o1.tw	Method	TBLASTX:Wheat
Start	31733	End	32208
GI	none	Score	101
Exons	31733..31807, 31733..31813, 31822..32208, 31823..32206		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o5.ts	Method	TBLASTX:Soybean
Start	31739	End	32071
GI	none	Score	95
Exons	31739..31852, 31765..31845, 31871..32071, 31876..32028		

Seq. No.	46137	Seq. ID	OJ991109_07.0328.C22
Gene No.	97828	Strand	-
Start	36131	End	37766
Name	OJ991109_07.0328.C22.o4.np	Method	AAT/NAP
Start	36131	End	37766
GI	4567236	Score	105
Exons	36131..36150, 36251..36503, 37744..37766		
GI Descrip.	(AC007119) glycine-rich RNA binding protein [Arabidopsis thaliana]		

Seq. No.	46138	Seq. ID	OJ991109_07.0328.C23
Gene No.	97829	Strand	+
Start	1371	End	6327
Name	OJ991109_07.0328.C23.o1.gs	Method	GENSCAN
Start	1371	End	4169
GI	none	Score	.57
Exons	1371..1477, 2202..2363, 2432..2492, 2674..2736, 2827..3039, 3054..3157, 4004..4169		

Seq. No.	46138	Seq. ID	OJ991109_07.0328.C23
Gene No.	97829	Strand	+
Start	1371	End	6327
Name	OJ991109_07.0328.C23.o3.np	Method	AAT/NAP
Start	3178	End	6327

GI	7106516	Score	130
Exons	3178..3243, 3978..4142, 4998..5107, 6274..6327		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	46138	Seq. ID	OJ991109_07.0328.C23
Gene No.	97829	Strand	+
Start	1371	End	6327
Name	OJ991109_07.0328.C23.o2.gs	Method	GENSCAN
Start	4737	End	5204
GI	none	Score	.93
Exons	4737..5204		

Seq. No.	46138	Seq. ID	OJ991109_07.0328.C23
Gene No.	97830	Strand	+
Start	6387	End	7896
Name	OJ991109_07.0328.C23.o3.gs	Method	GENSCAN
Start	6387	End	7648
GI	none	Score	.44
Exons	6387..6447, 7248..7648		

Seq. No.	46138	Seq. ID	OJ991109_07.0328.C23
Gene No.	97830	Strand	+
Start	6387	End	7896
Name	OJ991109_07.0328.C23.o6.np	Method	AAT/NAP
Start	7196	End	7896
GI	6069646	Score	135
Exons	7196..7634, 7868..7896		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	46138	Seq. ID	OJ991109_07.0328.C23
Gene No.	97831	Strand	+
Start	11081	End	12024
Name	OJ991109_07.0328.C23.o7.np	Method	AAT/NAP
Start	11081	End	12024
GI	7106516	Score	139
Exons	11081..11133, 11858..12024		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	46138	Seq. ID	OJ991109_07.0328.C23
Gene No.	97832	Strand	-
Start	2312	End	6625
Name	OJ991109_07.0328.C23.o1.np	Method	AAT/NAP
Start	2312	End	5594
GI	7523490	Score	87
Exons	2312..2622, 5536..5594		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	46138	Seq. ID	OJ991109_07.0328.C23
Gene No.	97832	Strand	-
Start	2312	End	6625
Name	OJ991109_07.0328.C23.o2.np	Method	AAT/NAP
Start	3173	End	4646
GI	7228450	Score	314

Exons	3173..3286, 3372..3511, 3646..3731, 4527..4646		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		
Seq. No.	46138	Seq. ID	OJ991109_07.0328.C23
Gene No.	97832	Strand	-
Start	2312	End	6625
Name	OJ991109_07.0328.C23.o4.np	Method	AAT/NAP
Start	4721	End	4934
GI	2262100	Score	73
Exons	4721..4934		
GI Descrip.	(AC002343) unknown protein [Arabidopsis thaliana]		
Seq. No.	46138	Seq. ID	OJ991109_07.0328.C23
Gene No.	97832	Strand	-
Start	2312	End	6625
Name	OJ991109_07.0328.C23.o5.np	Method	AAT/NAP
Start	5317	End	6625
GI	5777617	Score	66
Exons	5317..5415, 6594..6625		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	46138	Seq. ID	OJ991109_07.0328.C23
Gene No.	97833	Strand	-
Start	9790	End	13057
Name	OJ991109_07.0328.C23.o4.gs	Method	GENSCAN
Start	9790	End	13057
GI	none	Score	.42
Exons	9790..9924, 10164..10298, 10342..10431, 11184..11325, 11972..12044, 12475..12667, 12983..13057		
Seq. No.	46139	Seq. ID	OJ990909_17.0303.C3
Gene No.	97834	Strand	-
Start	1989	End	4141
Name	OJ990909_17.0303.C3.o1.ts	Method	TBLASTX:Soybean
Start	279	End	1215
GI	none	Score	142
Exons	279..374, 1073..1195, 1081..1215		
Seq. No.	46139	Seq. ID	OJ990909_17.0303.C3
Gene No.	97834	Strand	-
Start	1989	End	4141
Name	OJ990909_17.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	318	End	2479
GI	none	Score	67
Exons	318..371, 318..368, 1079..1192, 1079..1195, 1081..1215, 1838..1873, 1980..2021, 2233..2304, 2250..2303, 2372..2461, 2378..2479		
Seq. No.	46139	Seq. ID	OJ990909_17.0303.C3
Gene No.	97834	Strand	-
Start	1989	End	4141
Name	OJ990909_17.0303.C3.o1.gp	Method	AAT/GAP
Start	1989	End	4141
GI	none	Score	552
Exons	1989..2115, 2233..2304, 2387..2461, 4102..4141		
Seq. No.	46140	Seq. ID	OJ990909_17.0303.C4

Gene No.	97835	Strand	-
Start	56	End	214
Name	OJ990909_17.0303.C4.o1.gp	Method	AAT/GAP
Start	56	End	214
GI	none	Score	287
Exons	56..214		

Seq. No.	46140	Seq. ID	OJ990909_17.0303.C4
Gene No.	97836	Strand	
Start	1244	End	7692
Name	OJ990909_17.0303.C4.o2.tc	Method	TBLASTX:Cress
Start	1244	End	3161
GI	none	Score	106
Exons	1244..1363, 1290..1364, 1476..1586, 1477..1587, 2241..2507, 2243..2512, 2591..2656, 2595..2660, 2777..3025, 2811..3068, 3105..3161		

Seq. No.	46140	Seq. ID	OJ990909_17.0303.C4
Gene No.	97836	Strand	
Start	1244	End	7692
Name	OJ990909_17.0303.C4.o1.ts	Method	TBLASTX:Soybean
Start	1263	End	4090
GI	none	Score	108
Exons	1263..1364, 1274..1363, 1476..1583, 1477..1587, 2241..2507, 2243..2500, 2591..2695, 2595..2705, 2796..3068, 2810..3025, 2814..3032, 3257..3403, 3258..3479, 3530..3634, 3531..3635, 3719..3799, 3720..3800, 3898..4077, 3899..4090		

Seq. No.	46140	Seq. ID	OJ990909_17.0303.C4
Gene No.	97836	Strand	
Start	1244	End	7692
Name	OJ990909_17.0303.C4.o3.tm	Method	TBLASTX:Maize
Start	1480	End	7052
GI	none	Score	120
Exons	1480..1587, 2795..3079, 2796..3068, 6981..7052		

Seq. No.	46140	Seq. ID	OJ990909_17.0303.C4
Gene No.	97836	Strand	
Start	1244	End	7692
Name	OJ990909_17.0303.C4.o2.tm	Method	TBLASTX:Maize
Start	2243	End	2673
GI	none	Score	384
Exons	2243..2512, 2244..2507, 2556..2672, 2567..2671, 2599..2673		

Seq. No.	46140	Seq. ID	OJ990909_17.0303.C4
Gene No.	97836	Strand	
Start	1244	End	7692
Name	OJ990909_17.0303.C4.o1.tc	Method	TBLASTX:Cress
Start	3257	End	4090
GI	none	Score	272
Exons	3257..3409, 3258..3479, 3531..3635, 3542..3634, 3719..3799, 3720..3800, 3898..4062, 3899..4090		

Seq. No.	46140	Seq. ID	OJ990909_17.0303.C4
Gene No.	97836	Strand	
Start	1244	End	7692
Name	OJ990909_17.0303.C4.o1.tm	Method	TBLASTX:Maize

Start	3258	End	4108
GI	none	Score	285
Exons	3258..3479, 3259..3351, 3263..3409, 3327..3464, 3543..3683, 3546..3635, 3717..3800, 3720..3800, 3898..4077, 3899..4108		

Seq. No.	46140	Seq. ID	OJ990909_17.0303.C4
Gene No.	97836	Strand	
Start	1244	End	7692
Name	OJ990909_17.0303.C4.o1.tw	Method	TBLASTX:Wheat
Start	3708	End	4102
GI	none	Score	104
Exons	3708..3800, 3723..3800, 3898..4080, 3899..4102		

Seq. No.	46140	Seq. ID	OJ990909_17.0303.C4
Gene No.	97836	Strand	
Start	1244	End	7692
Name	OJ990909_17.0303.C4.o4.tm	Method	TBLASTX:Maize
Start	6407	End	7692
GI	none	Score	95
Exons	6407..6466, 6407..6466, 6452..6568, 6505..6567, 6546..6599, 6687..6734, 6698..6730, 7058..7111, 7204..7299, 7209..7298, 7321..7449, 7633..7692		

Seq. No.	46141	Seq. ID	OJ990909_17.0303.C5
Gene No.	97837	Strand	+
Start	1316	End	1642
Name	OJ990909_17.0303.C5.o1.tm	Method	TBLASTX:Maize
Start	790	End	994
GI	none	Score	103
Exons	790..978, 794..979, 798..980, 799..981, 815..994		

Seq. No.	46141	Seq. ID	OJ990909_17.0303.C5
Gene No.	97837	Strand	+
Start	1316	End	1642
Name	OJ990909_17.0303.C5.o1.gp	Method	AAT/GAP
Start	1316	End	1642
GI	none	Score	431
Exons	1316..1453, 1538..1642		

Seq. No.	46142	Seq. ID	OJ990909_17.0303.C11
Gene No.	97838	Strand	+
Start	2539	End	4011
Name	OJ990909_17.0303.C11.o1.tc	Method	TBLASTX:Cress
Start	2270	End	3804
GI	none	Score	54
Exons	2270..2341, 2274..2387, 2312..2347, 2361..2915, 2417..2740, 2756..2914, 3006..3080, 3007..3147, 3016..3147, 3017..3151, 3102..3152, 3667..3792, 3699..3803, 3709..3804		

Seq. No.	46142	Seq. ID	OJ990909_17.0303.C11
Gene No.	97838	Strand	+
Start	2539	End	4011
Name	OJ990909_17.0303.C11.o1.tm	Method	TBLASTX:Maize
Start	2274	End	3981
GI	none	Score	1050
Exons	2274..2915, 2312..2353, 2417..2914, 3005..3106, 3005..3151, 3007..3147, 3102..3152, 3676..3804, 3684..3803, 3709..3840,		

3934..3966, 3943..3981

Seq. No.	46142	Seq. ID	OJ990909_17.0303.C11
Gene No.	97838	Strand	+
Start	2539	End	4011
Name	OJ990909_17.0303.C11.o1.ts	Method	TBLASTX:Soybean
Start	2274	End	3099
GI	none	Score	943
Exons	2274..2915, 2312..2350, 2417..2914, 3006..3080, 3007..3099		

Seq. No.	46142	Seq. ID	OJ990909_17.0303.C11
Gene No.	97838	Strand	+
Start	2539	End	4011
Name	OJ990909_17.0303.C11.o1.tw	Method	TBLASTX:Wheat
Start	2364	End	3795
GI	none	Score	164
Exons	2364..2516, 2420..2506, 2501..2914, 2502..2915, 3007..3144, 3026..3151, 3706..3729, 3727..3795		

Seq. No.	46142	Seq. ID	OJ990909_17.0303.C11
Gene No.	97838	Strand	+
Start	2539	End	4011
Name	OJ990909_17.0303.C11.o1.gp	Method	AAT/GAP
Start	2539	End	4011
GI	43_3.R1084	Score	1448
Exons	2539..2903, 3007..3147, 3709..4011		
GI Descrip.	'4768911/gb|AAD29676.1|AF131201_1 2.0e-92 (AF131201) plasma membrane MIP protein [Zea mays]'		

Seq. No.	46143	Seq. ID	OJ990909_17.0303.C12
Gene No.	97839	Strand	+
Start	758	End	1174
Name	OJ990909_17.0303.C12.o1.gp	Method	AAT/GAP
Start	758	End	1174
GI	4715353	Score	794
Exons	758..1174		

Seq. No.	46143	Seq. ID	OJ990909_17.0303.C12
Gene No.	97840	Strand	-
Start	2006	End	2790
Name	OJ990909_17.0303.C12.o2.gp	Method	AAT/GAP
Start	2006	End	2790
GI	62012_1.R1084	Score	820
Exons	2006..2408, 2680..2790		
GI Descrip.	'4204912 1.0e-29 (U58918) MEK kinase [Arabidopsis thaliana]'		

Seq. No.	46143	Seq. ID	OJ990909_17.0303.C12
Gene No.	97841	Strand	-
Start	4207	End	5238
Name	OJ990909_17.0303.C12.o1.tm	Method	TBLASTX:Maize
Start	1898	End	2410
GI	none	Score	64
Exons	1898..1960, 1902..1958, 1902..1982, 1952..2041, 1960..2043, 2040..2375, 2042..2374, 2377..2409, 2378..2410		

Seq. No.	46143	Seq. ID	OJ990909_17.0303.C12
Gene No.	97841	Strand	-

Start	4207	End	5238
Name	OJ990909_17.0303.C12.o2.tm	Method	TBLASTX:Maize
Start	2856	End	4281
GI	none	Score	142
Exons	2856..3032, 2860..3003, 2861..3004, 2981..3100, 3005..3121, 3006..3164, 3373..3495, 3381..3497, 3551..3649, 3576..3650, 3584..3646, 3967..4050, 3968..4051, 4143..4280, 4144..4281		

Seq. No.	46143	Seq. ID	OJ990909_17.0303.C12
Gene No.	97841	Strand	-
Start	4207	End	5238
Name	OJ990909_17.0303.C12.o1.tc	Method	TBLASTX:Cress
Start	2915	End	5165
GI	none	Score	70
Exons	2915..3121, 2939..3100, 2955..3164, 3375..3497, 3376..3495, 3584..3622, 3585..3623, 3931..4050, 3967..4050, 3968..4051, 4136..4282, 4143..4301, 4144..4281, 4537..4605, 4703..4792, 4710..4796, 5032..5094, 5034..5165		

Seq. No.	46143	Seq. ID	OJ990909_17.0303.C12
Gene No.	97841	Strand	-
Start	4207	End	5238
Name	OJ990909_17.0303.C12.o1.ts	Method	TBLASTX:Soybean
Start	2945	End	4810
GI	none	Score	96
Exons	2945..3100, 2955..3098, 3374..3496, 3375..3497, 3385..3495, 3386..3496, 3573..3653, 3584..3646, 3958..4050, 3959..4051, 4143..4301, 4144..4302, 4508..4600, 4537..4605, 4703..4810, 4710..4796		

Seq. No.	46143	Seq. ID	OJ990909_17.0303.C12
Gene No.	97841	Strand	-
Start	4207	End	5238
Name	OJ990909_17.0303.C12.o3.gp	Method	AAT/GAP
Start	4207	End	5238
GI	4715352	Score	814
Exons	4207..4304, 4534..4596, 4703..4790, 5032..5238		
GI Descrip.	4204912 1.0e-29 (U58918) MEK kinase [Arabidopsis thaliana]		

Seq. No.	46144	Seq. ID	OJ990909_17.0303.C13
Gene No.	97842	Strand	
Start	7297	End	7647
Name	OJ990909_17.0303.C13.o1.tc	Method	TBLASTX:Cress
Start	7297	End	7647
GI	none	Score	285
Exons	7297..7647, 7334..7645		

Seq. No.	46144	Seq. ID	OJ990909_17.0303.C13
Gene No.	97842	Strand	
Start	7297	End	7647
Name	OJ990909_17.0303.C13.o1.ts	Method	TBLASTX:Soybean
Start	7297	End	7647
GI	none	Score	345
Exons	7297..7647, 7313..7639, 7318..7641		

Seq. No.	46144	Seq. ID	OJ990909_17.0303.C13
Gene No.	97842	Strand	

Start	7297	End	7647
Name	OJ990909_17.0303.C13.o1.tm	Method	TBLASTX:Maize
Start	7375	End	7647
GI	none	Score	149
Exons	7375..7524, 7376..7510, 7523..7636, 7528..7647, 7529..7630		

Seq. No.	46145	Seq. ID	OJ990909_17.0303.C14
Gene No.	97843	Strand	-
Start	64	End	536
Name	OJ990909_17.0303.C14.o1.tm	Method	TBLASTX:Maize
Start	42	End	492
GI	none	Score	218
Exons	42..350, 151..345, 226..354, 228..347, 357..491, 358..492		

Seq. No.	46145	Seq. ID	OJ990909_17.0303.C14
Gene No.	97843	Strand	-
Start	64	End	536
Name	OJ990909_17.0303.C14.o1.ts	Method	TBLASTX:Soybean
Start	45	End	536
GI	none	Score	332
Exons	45..536, 49..483		

Seq. No.	46145	Seq. ID	OJ990909_17.0303.C14
Gene No.	97843	Strand	-
Start	64	End	536
Name	OJ990909_17.0303.C14.o1.tc	Method	TBLASTX:Cress
Start	48	End	491
GI	none	Score	303
Exons	48..491, 154..486		

Seq. No.	46145	Seq. ID	OJ990909_17.0303.C14
Gene No.	97843	Strand	-
Start	64	End	536
Name	OJ990909_17.0303.C14.o1.gp	Method	AAT/GAP
Start	64	End	406
GI	3061211	Score	637
Exons	64..406		
GI Descrip.	3386598 3.0e-38 (AC004665) putative cytochrome p450 [Arabidopsis thaliana]		

Seq. No.	46146	Seq. ID	OJ990909_17.0303.C18
Gene No.	97845	Strand	
Start	16	End	434
Name	OJ990909_17.0303.C18.o1.ts	Method	TBLASTX:Soybean
Start	16	End	434
GI	none	Score	56
Exons	16..75, 17..67, 153..245, 163..243, 231..356, 233..370, 237..434		

Seq. No.	46146	Seq. ID	OJ990909_17.0303.C18
Gene No.	97845	Strand	
Start	16	End	434
Name	OJ990909_17.0303.C18.o1.tc	Method	TBLASTX:Cress
Start	150	End	389
GI	none	Score	110
Exons	150..389, 156..389		

Seq. No.	46146	Seq. ID	OJ990909_17.0303.C18

Gene No.	97845	Strand	
Start	16	End	434
Name	OJ990909_17.0303.C18.o1.tm	Method	TBLASTX:Maize
Start	150	End	371
GI	none	Score	93
Exons	150..245, 151..237, 237..371, 237..371		

Seq. No.	46147	Seq. ID	OJ990909_17.0303.C20
Gene No.	97846	Strand	
Start	251	End	619
Name	OJ990909_17.0303.C20.o1.tm	Method	TBLASTX:Maize
Start	251	End	619
GI	none	Score	449
Exons	251..619, 253..618		

Seq. No.	46147	Seq. ID	OJ990909_17.0303.C20
Gene No.	97847	Strand	
Start	560	End	1823
Name	OJ990909_17.0303.C20.o1.ts	Method	TBLASTX:Soybean
Start	560	End	1781
GI	none	Score	64
Exons	560..628, 562..627, 1605..1775, 1606..1710, 1617..1781		

Seq. No.	46147	Seq. ID	OJ990909_17.0303.C20
Gene No.	97847	Strand	
Start	560	End	1823
Name	OJ990909_17.0303.C20.o2.tm	Method	TBLASTX:Maize
Start	1608	End	1823
GI	none	Score	67
Exons	1608..1772, 1636..1710, 1782..1823		

Seq. No.	46148	Seq. ID	OJ990909_17.0303.C21
Gene No.	97848	Strand	
Start	1247	End	2593
Name	OJ990909_17.0303.C21.o2.tm	Method	TBLASTX:Maize
Start	1247	End	2593
GI	none	Score	107
Exons	1247..1318, 1530..1631, 1568..1630, 1717..1830, 1721..1831, 1728..1880, 2238..2348, 2238..2354, 2415..2483, 2416..2484, 2430..2489, 2431..2499, 2567..2593, 2567..2593		

Seq. No.	46148	Seq. ID	OJ990909_17.0303.C21
Gene No.	97849	Strand	
Start	2992	End	3232
Name	OJ990909_17.0303.C21.o1.tm	Method	TBLASTX:Maize
Start	2992	End	3232
GI	none	Score	298
Exons	2992..3231, 2993..3232, 2994..3230		

Seq. No.	46148	Seq. ID	OJ990909_17.0303.C21
Gene No.	97850	Strand	
Start	3896	End	4550
Name	OJ990909_17.0303.C21.o3.tm	Method	TBLASTX:Maize
Start	3896	End	4550
GI	none	Score	108
Exons	3896..3985, 3897..3995, 4311..4418, 4311..4460, 4327..4422, 4470..4550, 4487..4549, 4488..4550		

Seq. No.	46149	Seq. ID	OJ990909_17.0303.C22
Gene No.	97851	Strand	+
Start	4623	End	6170
Name	OJ990909_17.0303.C22.o1.ts	Method	TBLASTX:Soybean
Start	62	End	2379
GI	none	Score	37
Exons	62..124, 86..127, 216..332, 216..320, 530..673, 530..655, 738..911, 739..912, 982..1098, 1001..1099, 1220..1375, 1236..1379, 1470..1613, 1471..1617, 1471..1614, 1873..2085, 1873..2379, 1877..2326		

Seq. No.	46149	Seq. ID	OJ990909_17.0303.C22
Gene No.	97851	Strand	+
Start	4623	End	6170
Name	OJ990909_17.0303.C22.o1.tm	Method	TBLASTX:Maize
Start	71	End	2379
GI	none	Score	69
Exons	71..124, 210..320, 530..655, 531..623, 533..673, 738..911, 739..912, 982..1077, 1001..1078, 1066..1098, 1073..1096, 1220..1375, 1235..1357, 1236..1379, 1466..1615, 1470..1613, 1471..1617, 1471..1614, 1479..1613, 1480..1617, 1873..1971, 1877..1972, 1897..2220, 1900..2379, 1901..2371		

Seq. No.	46149	Seq. ID	OJ990909_17.0303.C22
Gene No.	97851	Strand	+
Start	4623	End	6170
Name	OJ990909_17.0303.C22.o1.tc	Method	TBLASTX:Cress
Start	77	End	2379
GI	none	Score	40
Exons	77..127, 77..133, 207..353, 210..320, 522..623, 530..655, 738..911, 739..912, 982..1077, 1001..1078, 1070..1096, 1072..1098, 1220..1375, 1233..1379, 1470..1613, 1471..1623, 1873..2379, 1876..2085, 1877..2326		

Seq. No.	46149	Seq. ID	OJ990909_17.0303.C22
Gene No.	97851	Strand	+
Start	4623	End	6170
Name	OJ990909_17.0303.C22.o2.tw	Method	TBLASTX:Wheat
Start	1220	End	1926
GI	none	Score	77
Exons	1220..1375, 1221..1379, 1470..1613, 1471..1596, 1471..1620, 1873..1926, 1876..1923		

Seq. No.	46149	Seq. ID	OJ990909_17.0303.C22
Gene No.	97851	Strand	+
Start	4623	End	6170
Name	OJ990909_17.0303.C22.o1.tw	Method	TBLASTX:Wheat
Start	1927	End	2199
GI	none	Score	117
Exons	1927..2100, 1927..2199, 1949..2197		

Seq. No.	46149	Seq. ID	OJ990909_17.0303.C22
Gene No.	97851	Strand	+
Start	4623	End	6170
Name	OJ990909_17.0303.C22.o1.gp	Method	AAT/GAP
Start	4623	End	6170

GI	none	Score	1521
Exons	4623..4824, 5084..5232, 5724..6170		

Seq. No.	46150	Seq. ID	OJ990909_17.0303.C23
Gene No.	97852	Strand	+
Start	2374	End	2973
Name	OJ990909_17.0303.C23.o1.gp	Method	AAT/GAP
Start	2374	End	2973
GI	none	Score	1060
Exons	2374..2973		

Seq. No.	46150	Seq. ID	OJ990909_17.0303.C23
Gene No.	97853	Strand	
Start	2915	End	3628
Name	OJ990909_17.0303.C23.o1.tc	Method	TBLASTX:Cress
Start	2915	End	3628
GI	none	Score	46
Exons	2915..3028, 3012..3152, 3015..3179, 3131..3184, 3134..3256, 3200..3355, 3216..3416, 3234..3413, 3409..3480, 3410..3628, 3411..3434, 3495..3626		

Seq. No.	46150	Seq. ID	OJ990909_17.0303.C23
Gene No.	97854	Strand	
Start	3645	End	4052
Name	OJ990909_17.0303.C23.o2.tm	Method	TBLASTX:Maize
Start	3645	End	4052
GI	none	Score	515
Exons	3645..4052, 3650..4051		

Seq. No.	46150	Seq. ID	OJ990909_17.0303.C23
Gene No.	97854	Strand	
Start	3645	End	4052
Name	OJ990909_17.0303.C23.o1.ts	Method	TBLASTX:Soybean
Start	3725	End	4043
GI	none	Score	358
Exons	3725..4033, 3726..4043		

Seq. No.	46150	Seq. ID	OJ990909_17.0303.C23
Gene No.	97855	Strand	
Start	4125	End	4534
Name	OJ990909_17.0303.C23.o3.tm	Method	TBLASTX:Maize
Start	4125	End	4534
GI	none	Score	74
Exons	4125..4187, 4188..4526, 4255..4527, 4262..4525, 4385..4534		

Seq. No.	46150	Seq. ID	OJ990909_17.0303.C23
Gene No.	97856	Strand	
Start	4436	End	4905
Name	OJ990909_17.0303.C23.o5.ts	Method	TBLASTX:Soybean
Start	4436	End	4761
GI	none	Score	86
Exons	4436..4513, 4437..4514, 4628..4756, 4628..4756, 4630..4761		

Seq. No.	46150	Seq. ID	OJ990909_17.0303.C23
Gene No.	97856	Strand	
Start	4436	End	4905
Name	OJ990909_17.0303.C23.o4.tm	Method	TBLASTX:Maize

Start	4625	End	4905
GI	none	Score	204
Exons	4625..4759, 4631..4759, 4848..4904, 4849..4905		

Seq. No.	46150	Seq. ID	OJ990909_17.0303.C23
Gene No.	97857	Strand	
Start	4906	End	5816
Name	OJ990909_17.0303.C23.o1.tm	Method	TBLASTX:Maize
Start	4906	End	5679
GI	none	Score	289
Exons	4906..5151, 4908..5135, 5020..5151, 5221..5430, 5223..5417, 5557..5679, 5562..5678		

Seq. No.	46150	Seq. ID	OJ990909_17.0303.C23
Gene No.	97857	Strand	
Start	4906	End	5816
Name	OJ990909_17.0303.C23.o2.ts	Method	TBLASTX:Soybean
Start	5101	End	5406
GI	none	Score	79
Exons	5101..5151, 5221..5406, 5221..5379, 5229..5396		

Seq. No.	46150	Seq. ID	OJ990909_17.0303.C23
Gene No.	97857	Strand	
Start	4906	End	5816
Name	OJ990909_17.0303.C23.o3.ts	Method	TBLASTX:Soybean
Start	5565	End	5816
GI	5677350	Score	247
Exons	5565..5816, 5575..5793		
GI Descrip.	2264369 6.0e-22 (AC002354) predicted protein of unknown function [Arabidopsis thaliana]		

Seq. No.	46150	Seq. ID	OJ990909_17.0303.C23
Gene No.	97858	Strand	
Start	7728	End	8844
Name	OJ990909_17.0303.C23.o6.ts	Method	TBLASTX:Soybean
Start	7728	End	7943
GI	none	Score	109
Exons	7728..7943, 7809..7940		

Seq. No.	46150	Seq. ID	OJ990909_17.0303.C23
Gene No.	97858	Strand	
Start	7728	End	8844
Name	OJ990909_17.0303.C23.o2.tc	Method	TBLASTX:Cress
Start	7806	End	8844
GI	none	Score	114
Exons	7806..7976, 7818..7958, 7891..7977, 8300..8533, 8301..8513, 8605..8844		

Seq. No.	46150	Seq. ID	OJ990909_17.0303.C23
Gene No.	97858	Strand	
Start	7728	End	8844
Name	OJ990909_17.0303.C23.o5.tm	Method	TBLASTX:Maize
Start	7809	End	8754
GI	none	Score	65
Exons	7809..7967, 8300..8533, 8301..8492, 8615..8728, 8632..8754		

Seq. No.	46150	Seq. ID	OJ990909_17.0303.C23

Gene No.	97858	Strand	
Start	7728	End	8844
Name	OJ990909_17.0303.C23.o4.ts	Method	TBLASTX:Soybean
Start	8288	End	8754
GI	none	Score	108
Exons	8288..8533, 8298..8477, 8632..8754, 8663..8728		

Seq. No.	46151	Seq. ID	OJ990909_17.0303.C24
Gene No.	97859	Strand	
Start	1202	End	1571
Name	OJ990909_17.0303.C24.o1.ts	Method	TBLASTX:Soybean
Start	1202	End	1571
GI	none	Score	137
Exons	1202..1405, 1204..1512, 1286..1510, 1318..1512, 1494..1571		

Seq. No.	46151	Seq. ID	OJ990909_17.0303.C24
Gene No.	97859	Strand	
Start	1202	End	1571
Name	OJ990909_17.0303.C24.o1.tc	Method	TBLASTX:Cress
Start	1204	End	1513
GI	none	Score	118
Exons	1204..1512, 1286..1513		

Seq. No.	46151	Seq. ID	OJ990909_17.0303.C24
Gene No.	97859	Strand	
Start	1202	End	1571
Name	OJ990909_17.0303.C24.o1.tm	Method	TBLASTX:Maize
Start	1225	End	1514
GI	none	Score	249
Exons	1225..1512, 1226..1513, 1323..1514		

Seq. No.	46152	Seq. ID	OJ990909_17.0303.C26
Gene No.	97860	Strand	+
Start	920	End	1049
Name	OJ990909_17.0303.C26.o1.gp	Method	AAT/GAP
Start	920	End	1049
GI	none	Score	211
Exons	920..1049		

Seq. No.	46153	Seq. ID	OJ990909_17.0303.C27
Gene No.	97861	Strand	+
Start	1019	End	1107
Name	OJ990909_17.0303.C27.o1.ts	Method	TBLASTX:Soybean
Start	3	End	553
GI	none	Score	139
Exons	3..107, 11..106, 230..328, 232..321, 340..552, 341..553		

Seq. No.	46153	Seq. ID	OJ990909_17.0303.C27
Gene No.	97861	Strand	+
Start	1019	End	1107
Name	OJ990909_17.0303.C27.o1.tm	Method	TBLASTX:Maize
Start	14	End	634
GI	none	Score	116
Exons	14..121, 24..122, 230..331, 232..330, 347..550, 349..543, 554..634, 559..621		

Seq. No.	46153	Seq. ID	OJ990909_17.0303.C27

Gene No.	97861	Strand	+
Start	1019	End	1107
Name	OJ990909_17.0303.C27.o1.tc	Method	TBLASTX:Cress
Start	340	End	1106
GI	none	Score	528
Exons	340..807, 341..847, 967..1092, 968..1105, 969..1106		

Seq. No.	46153	Seq. ID	OJ990909_17.0303.C27
Gene No.	97861	Strand	+
Start	1019	End	1107
Name	OJ990909_17.0303.C27.o2.tm	Method	TBLASTX:Maize
Start	683	End	1106
GI	none	Score	175
Exons	683..847, 691..834, 957..1094, 969..1106, 971..1099		

Seq. No.	46153	Seq. ID	OJ990909_17.0303.C27
Gene No.	97861	Strand	+
Start	1019	End	1107
Name	OJ990909_17.0303.C27.o2.ts	Method	TBLASTX:Soybean
Start	960	End	1107
GI	none	Score	185
Exons	960..1106, 970..1107, 983..1105		

Seq. No.	46153	Seq. ID	OJ990909_17.0303.C27
Gene No.	97861	Strand	+
Start	1019	End	1107
Name	OJ990909_17.0303.C27.o1.gp	Method	AAT/GAP
Start	1019	End	1107
GI	24957_1.R1084	Score	178
Exons	1019..1107		
GI Descrip.	'5689035/dbj|BAA83071.1| 1.0e-57 (AB022053) prolyl oligopeptidase [Mus musculus]'		

Seq. No.	46154	Seq. ID	OJ990909_17.0303.C28
Gene No.	97862	Strand	+
Start	2420	End	3379
Name	OJ990909_17.0303.C28.o1.gp	Method	AAT/GAP
Start	2420	End	3379
GI	LIB3433-006-Q6-K6-F11	Score	802
Exons	2420..2745, 3247..3379		
GI Descrip.	'4966342/gb|AAD34673.1|AC006341_1 1.0e-13 (AC006341) ESTs gb_T04357 and gb_AA595092 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	46154	Seq. ID	OJ990909_17.0303.C28
Gene No.	97862	Strand	+
Start	2420	End	3379
Name	OJ990909_17.0303.C28.o1.tm	Method	TBLASTX:Maize
Start	2611	End	3379
GI	none	Score	112
Exons	2611..2703, 2613..2711, 2686..2745, 2697..2825, 3232..3372, 3245..3379, 3246..3368		

Seq. No.	46155	Seq. ID	OJ990909_17.0303.C33
Gene No.	97863	Strand	+
Start	13831	End	14782
Name	OJ990909_17.0303.C33.o3.gp	Method	AAT/GAP

Start	13831	End	14782
GI	23314_1.R1084	Score	1413
Exons	13831..13878, 13968..14214, 14340..14782		
GI Descrip.	'1698774/gb|U70311|CVU70311 1.0e-20 Filamentous phage display expression cloning vector pZGT5 with murine Ig kappa light chain fragment insert, complete sequence'		

Seq. No.	46155	Seq. ID	OJ990909_17.0303.C33
Gene No.	97864	Strand	+
Start	14795	End	15319
Name	OJ990909_17.0303.C33.o4.gp	Method	AAT/GAP
Start	14795	End	15319
GI	3767768	Score	981
Exons	14795..15319		

Seq. No.	46155	Seq. ID	OJ990909_17.0303.C33
Gene No.	97865	Strand	-
Start	4283	End	4760
Name	OJ990909_17.0303.C33.o1.tc	Method	TBLASTX:Cress
Start	1783	End	2660
GI	none	Score	137
Exons	1783..1962, 2077..2277, 2094..2267, 2355..2495, 2357..2473, 2577..2660		

Seq. No.	46155	Seq. ID	OJ990909_17.0303.C33
Gene No.	97865	Strand	-
Start	4283	End	4760
Name	OJ990909_17.0303.C33.o1.tm	Method	TBLASTX:Maize
Start	1791	End	4420
GI	none	Score	204
Exons	1791..1958, 1792..1962, 1807..1965, 2053..2277, 2070..2276, 2354..2488, 2354..2491, 2355..2492, 2559..2672, 2567..2623, 2868..2975, 2891..2983, 3320..3430, 3321..3431, 3701..3862, 3744..3863, 3744..3863, 4282..4404, 4283..4399, 4286..4420, 4287..4406		

Seq. No.	46155	Seq. ID	OJ990909_17.0303.C33
Gene No.	97865	Strand	-
Start	4283	End	4760
Name	OJ990909_17.0303.C33.o4.ts	Method	TBLASTX:Soybean
Start	1791	End	1962
GI	none	Score	192
Exons	1791..1961, 1792..1962		

Seq. No.	46155	Seq. ID	OJ990909_17.0303.C33
Gene No.	97865	Strand	-
Start	4283	End	4760
Name	OJ990909_17.0303.C33.o1.ts	Method	TBLASTX:Soybean
Start	2070	End	4402
GI	none	Score	210
Exons	2070..2276, 2098..2277, 2354..2509, 2355..2504, 2559..2672, 2868..2975, 3321..3431, 3726..3818, 3744..3863, 3746..3862, 4313..4402		

Seq. No.	46155	Seq. ID	OJ990909_17.0303.C33
Gene No.	97865	Strand	-
Start	4283	End	4760

Name	OJ990909_17.0303.C33.o2.gp	Method	AAT/GAP
Start	4283	End	4760
GI	2799050	Score	805
Exons	4283..4760		
GI Descrip.	1698774/gb|U70311|CVU70311 1.0e-20 Filamentous phage display expression cloning vector pZGT5 with murine Ig kappa light chain fragment insert, complete sequence		

Seq. No.	46155	Seq. ID	OJ990909_17.0303.C33
Gene No.	97866	Strand	
Start	14109	End	14896
Name	OJ990909_17.0303.C33.o4.tm	Method	TBLASTX:Maize
Start	14109	End	14896
GI	none	Score	66
Exons	14109..14192, 14434..14736, 14438..14755, 14750..14896, 14753..14881		

Seq. No.	46155	Seq. ID	OJ990909_17.0303.C33
Gene No.	97866	Strand	
Start	14109	End	14896
Name	OJ990909_17.0303.C33.o1.tw	Method	TBLASTX:Wheat
Start	14437	End	14736
GI	none	Score	186
Exons	14437..14736, 14438..14734		

Seq. No.	46155	Seq. ID	OJ990909_17.0303.C33
Gene No.	97867	Strand	
Start	15647	End	16194
Name	OJ990909_17.0303.C33.o2.ts	Method	TBLASTX:Soybean
Start	15647	End	16170
GI	none	Score	90
Exons	15647..15757, 15655..15759, 15856..15972, 15860..15970, 15976..16167, 15976..16170		

Seq. No.	46155	Seq. ID	OJ990909_17.0303.C33
Gene No.	97867	Strand	
Start	15647	End	16194
Name	OJ990909_17.0303.C33.o2.tm	Method	TBLASTX:Maize
Start	15650	End	16044
GI	none	Score	123
Exons	15650..15757, 15652..15759, 15659..15766, 15661..15759, 15854..16009, 15856..16008, 16000..16044, 16018..16044		

Seq. No.	46155	Seq. ID	OJ990909_17.0303.C33
Gene No.	97867	Strand	
Start	15647	End	16194
Name	OJ990909_17.0303.C33.o2.tc	Method	TBLASTX:Cress
Start	15848	End	16194
GI	none	Score	54
Exons	15848..15970, 15853..15972, 15976..16194, 15977..16192		

Seq. No.	46155	Seq. ID	OJ990909_17.0303.C33
Gene No.	97868	Strand	
Start	16315	End	16616
Name	OJ990909_17.0303.C33.o3.tc	Method	TBLASTX:Cress
Start	16315	End	16611
GI	none	Score	74

Exons	16315..16515, 16316..16495, 16567..16611		
Seq. No.	46155	Seq. ID	OJ990909_17.0303.C33
Gene No.	97868	Strand	
Start	16315	End	16616
Name	OJ990909_17.0303.C33.o3.tm	Method	TBLASTX:Maize
Start	16375	End	16616
GI	none	Score	182
Exons	16375..16488, 16375..16524, 16409..16525, 16523..16612, 16549..16611, 16575..16616		
Seq. No.	46155	Seq. ID	OJ990909_17.0303.C33
Gene No.	97869	Strand	
Start	16874	End	17276
Name	OJ990909_17.0303.C33.o5.tm	Method	TBLASTX:Maize
Start	16874	End	17260
GI	none	Score	41
Exons	16874..16936, 16878..16931, 16940..17032, 16941..17033, 17144..17260, 17145..17246, 17189..17257		
Seq. No.	46155	Seq. ID	OJ990909_17.0303.C33
Gene No.	97869	Strand	
Start	16874	End	17276
Name	OJ990909_17.0303.C33.o3.ts	Method	TBLASTX:Soybean
Start	16904	End	17276
GI	none	Score	109
Exons	16904..17035, 17144..17263, 17145..17276		
Seq. No.	46156	Seq. ID	OJ990909_17.0303.C36
Gene No.	97870	Strand	+
Start	2193	End	3083
Name	OJ990909_17.0303.C36.o1.tm	Method	TBLASTX:Maize
Start	2	End	3083
GI	none	Score	75
Exons	2..67, 104..169, 226..276, 2462..2572, 2545..2574, 2566..2892, 2567..2881, 2809..2886, 2881..2955, 2889..2984, 2967..3008, 2969..3079, 3051..3083		
Seq. No.	46156	Seq. ID	OJ990909_17.0303.C36
Gene No.	97870	Strand	+
Start	2193	End	3083
Name	OJ990909_17.0303.C36.o1.gp	Method	AAT/GAP
Start	2193	End	2550
GI	2428668	Score	677
Exons	2193..2550		
Seq. No.	46157	Seq. ID	OJ990909_17.0303.C37
Gene No.	97871	Strand	-
Start	658	End	1172
Name	OJ990909_17.0303.C37.o1.tm	Method	TBLASTX:Maize
Start	1	End	498
GI	none	Score	55
Exons	1..63, 3..71, 84..497, 162..299, 313..498, 436..498		
Seq. No.	46157	Seq. ID	OJ990909_17.0303.C37
Gene No.	97871	Strand	-
Start	658	End	1172

Name	OJ990909_17.0303.C37.o1.tc	Method	TBLASTX:Cress
Start	9	End	905
GI	none	Score	84
Exons	9..221, 13..111, 210..317, 324..473, 334..474, 522..572, 741..905		

Seq. No.	46157	Seq. ID	OJ990909_17.0303.C37
Gene No.	97871	Strand	-
Start	658	End	1172
Name	OJ990909_17.0303.C37.o1.ts	Method	TBLASTX:Soybean
Start	9	End	896
GI	none	Score	101
Exons	9..221, 10..111, 237..317, 327..395, 331..402, 396..455, 397..453, 522..572, 570..626, 741..896		

Seq. No.	46157	Seq. ID	OJ990909_17.0303.C37
Gene No.	97871	Strand	-
Start	658	End	1172
Name	OJ990909_17.0303.C37.o1.tw	Method	TBLASTX:Wheat
Start	9	End	392
GI	none	Score	76
Exons	9..230, 19..198, 237..320, 327..392		

Seq. No.	46157	Seq. ID	OJ990909_17.0303.C37
Gene No.	97871	Strand	-
Start	658	End	1172
Name	OJ990909_17.0303.C37.o1.gp	Method	AAT/GAP
Start	658	End	1172
GI	uC-osf1M202020d11b1	Score	966
Exons	658..1172		
GI Descrip.	'3183979/emb|CAA06412.1| 2.0e-10 (AJ005171) P69C protein [Lycopersicon esculentum]'		

Seq. No.	46158	Seq. ID	OJ990909_17.0303.C38
Gene No.	97872	Strand	-
Start	69	End	265
Name	OJ990909_17.0303.C38.o1.gp	Method	AAT/GAP
Start	69	End	265
GI	569033	Score	318
Exons	69..265		

Seq. No.	46158	Seq. ID	OJ990909_17.0303.C38
Gene No.	97873	Strand	-
Start	530	End	1914
Name	OJ990909_17.0303.C38.o2.gp	Method	AAT/GAP
Start	530	End	1914
GI	25534_1.R1084	Score	784
Exons	530..593, 685..733, 819..920, 997..1053, 1317..1409, 1746..1801, 1873..1914		
GI Descrip.	'3047124 6.0e-26 (AF058919) No definition line found [Arabidopsis thaliana]'		

Seq. No.	46158	Seq. ID	OJ990909_17.0303.C38
Gene No.	97874	Strand	-
Start	2892	End	2989
Name	OJ990909_17.0303.C38.o1.tm	Method	TBLASTX:Maize
Start	381	End	1929

GI	none	Score	61
Exons	381..452, 522..593, 523..594, 526..594, 527..595, 680..730, 682..759, 686..763, 818..925, 819..923, 821..925, 987..1055, 994..1056, 1314..1406, 1317..1406, 1319..1408, 1319..1408, 1726..1803, 1742..1804, 1873..1929, 1878..1919		

Seq. No.	46158	Seq. ID	OJ990909_17.0303.C38
Gene No.	97874	Strand	-
Start	2892	End	2989
Name	OJ990909_17.0303.C38.o1.ts	Method	TBLASTX:Soybean
Start	501	End	2988
GI	none	Score	83
Exons	501..593, 682..732, 818..925, 819..923, 987..1055, 994..1056, 1316..1405, 2877..2981, 2880..2987, 2881..2988		

Seq. No.	46158	Seq. ID	OJ990909_17.0303.C38
Gene No.	97874	Strand	-
Start	2892	End	2989
Name	OJ990909_17.0303.C38.o3.gp	Method	AAT/GAP
Start	2892	End	2989
GI	LIB3431-006-P1-K1-C11	Score	179
Exons	2892..2989		
GI Descrip.	'3047124 5.0e-14 (AF058919) No definition line found [Arabidopsis thaliana]'		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97875	Strand	+
Start	1360	End	3704
Name	OJ990729_04.0317.C2.o1.np	Method	AAT/NAP
Start	1360	End	3701
GI	7487755	Score	1724
Exons	1360..1428, 1735..1813, 1871..3701		
GI Descrip.	hypothetical protein T6H20.180 - Arabidopsis thaliana gi|5541680|emb|CAB51186.1| (AL096859) putative protein [Arabidopsis thaliana]		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97875	Strand	+
Start	1360	End	3704
Name	OJ990729_04.0317.C2.o1.gs	Method	GENSCAN
Start	1722	End	3704
GI	none	Score	.99
Exons	1722..3704		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97876	Strand	+
Start	15900	End	19941
Name	OJ990729_04.0317.C2.o3.gs	Method	GENSCAN
Start	15900	End	19941
GI	none	Score	.57
Exons	15900..15941, 16241..16420, 18853..18979, 19724..19941		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97877	Strand	-
Start	4281	End	14541
Name	OJ990729_04.0317.C2.o1.gp	Method	AAT/GAP
Start	4165	End	4483

GI	2798694	Score	596
Exons	4165..4483		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97877	Strand	-
Start	4281	End	14541
Name	OJ990729_04.0317.C2.o2.gs	Method	GENSCAN
Start	4281	End	14541
GI	none	Score	.87
Exons	4281..4397, 4604..4697, 4819..4893, 5107..5177, 5328..5394, 5698..5848, 6292..6367, 6666..6769, 6912..7023, 7080..7166, 7256..7342, 7429..7518, 7648..7725, 7843..8007, 8224..8374, 11482..11759, 11884..12045, 12133..12235, 12316..12419, 12519..12590, 13260..13400, 13635..13747, 14433..14541		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97877	Strand	-
Start	4281	End	14541
Name	OJ990729_04.0317.C2.o2.gp	Method	AAT/GAP
Start	4650	End	5408
GI	428854	Score	558
Exons	4650..4742, 4814..4893, 5107..5177, 5328..5408		
GI Descrip.	2081612/dbj|BAA19916| 2.0e-32 (D49714) deltal-pyrroline-5-carboxylate synthetase [Oryza sativa]		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97877	Strand	-
Start	4281	End	14541
Name	OJ990729_04.0317.C2.o2.np	Method	AAT/NAP
Start	4818	End	13319
GI	6225820	Score	2332
Exons	4818..4892, 5106..5177, 5328..5394, 5488..5556, 5698..5848, 6292..6367, 6666..6769, 6912..7008, 7080..7166, 7256..7342, 7429..7518, 7648..7725, 7843..8007, 8224..8374, 11482..11759, 11884..12045, 12133..12235, 12316..12419, 12519..12590, 13260..13319		
GI Descrip.	DELTA 1-PYRROLINE-5-CARBOXYLATE SYNTHETASE (P5CS) [INCLUDES: GLUTAMATE 5-KINASE (GAMMA-GLUTAMYL KINASE) (GK); GAMMA-GLUTAMYL PHOSPHATE REDUCTASE (GPR) (GLUTAMATE-5-SEMIALDEHYDE DEHYDROGENASE) (GLUTAMYL-GAMMA-SEMIALDEHYDE... gi|2081612|dbj|BAA19916| (D49714) deltal-pyrroline-5-carboxylate synthetase [Oryza sativa]		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97877	Strand	-
Start	4281	End	14541
Name	OJ990729_04.0317.C2.o3.gp	Method	AAT/GAP
Start	12118	End	13498
GI	uC-osflm202120c01b1	Score	937
Exons	12118..12235, 12316..12419, 12519..12590, 13260..13498		
GI Descrip.	'5103807/gb|AAD39637.1|AC007591_2 2.0e-37 (AC007591) Contains similarity to gb_AF014403 type-2 phosphatidic acid phosphatase alpha-2 (PAP2_a2) from Homo sapiens. ESTs gb_T88254 and gb_AA394650 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97878	Strand	-

Start	20700	End	20796
Name	OJ990729_04.0317.C2.o3.tc	Method	TBLASTX:Cress
Start	2049	End	2972
GI	none	Score	123
Exons	2049..2234, 2055..2216, 2301..2552, 2429..2524, 2435..2566, 2436..2564, 2561..2731, 2565..2768, 2589..2786, 2778..2870, 2778..2951, 2816..2863, 2868..2972		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97878	Strand	-
Start	20700	End	20796
Name	OJ990729_04.0317.C2.o2.tm	Method	TBLASTX:Maize
Start	2064	End	3419
GI	none	Score	71
Exons	2064..2216, 2328..2555, 2334..2561, 2568..2762, 2577..2777, 2769..2957, 2778..2915, 2780..2971, 2781..2972, 2805..2975, 2976..3419, 2987..3121, 3167..3412		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97878	Strand	-
Start	20700	End	20796
Name	OJ990729_04.0317.C2.o2.tw	Method	TBLASTX:Wheat
Start	2067	End	3005
GI	none	Score	109
Exons	2067..2291, 2340..2552, 2567..2779, 2577..2762, 2790..2969, 2792..2947, 2832..2951, 2973..3005		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97878	Strand	-
Start	20700	End	20796
Name	OJ990729_04.0317.C2.o6.ts	Method	TBLASTX:Soybean
Start	2631	End	2864
GI	none	Score	189
Exons	2631..2864, 2693..2833		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97878	Strand	-
Start	20700	End	20796
Name	OJ990729_04.0317.C2.o2.ts	Method	TBLASTX:Soybean
Start	2868	End	3400
GI	none	Score	78
Exons	2868..2969, 2901..2948, 2993..3400, 2994..3398		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97878	Strand	-
Start	20700	End	20796
Name	OJ990729_04.0317.C2.o2.tc	Method	TBLASTX:Cress
Start	3177	End	3715
GI	none	Score	420
Exons	3177..3704, 3290..3715, 3428..3712		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97878	Strand	-
Start	20700	End	20796
Name	OJ990729_04.0317.C2.o3.ts	Method	TBLASTX:Soybean
Start	3410	End	3707
GI	none	Score	318

Exons 3410..3703, 3411..3707

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97878	Strand	-
Start	20700	End	20796
Name	OJ990729_04.0317.C2.o3.tm	Method	TBLASTX:Maize
Start	3420	End	3704
GI	none	Score	295
Exons	3420..3704, 3497..3703		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97878	Strand	-
Start	20700	End	20796
Name	OJ990729_04.0317.C2.o1.tm	Method	TBLASTX:Maize
Start	4806	End	13319
GI	none	Score	164

Exons 4806..4892, 4807..4920, 4813..4902, 5109..5177, 5110..5178, 5111..5179, 5325..5399, 5326..5397, 5328..5414, 5488..5577, 5490..5558, 5535..5585, 5674..5820, 5699..5863, 5700..5849, 6284..6421, 6291..6368, 6292..6369, 6657..6770, 6663..6770, 6664..6771, 6665..6784, 6895..7008, 6909..7010, 6914..7015, 7042..7167, 7083..7184, 7089..7172, 7226..7351, 7254..7289, 7256..7345, 7426..7518, 7428..7520, 7433..7519, 7434..7520, 7636..7728, 7645..7728, 7646..7756, 7646..7729, 7834..7875, 7839..7880, 7840..7881, 7844..7879, 7879..7980, 7879..8010, 7883..8011, 8218..8376, 8219..8377, 8224..8376, 11482..11631, 11484..11759, 11487..11762, 11861..12004, 11883..12044, 11883..12047, 11884..12054, 11884..12048, 12102..12164, 12124..12237, 12125..12238, 12304..12420, 12316..12420, 12318..12422, 12514..12591, 12514..12591, 12516..12602, 13257..13319

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97878	Strand	-
Start	20700	End	20796
Name	OJ990729_04.0317.C2.o1.tc	Method	TBLASTX:Cress
Start	4818	End	12602
GI	none	Score	82

Exons 4818..4892, 4825..4920, 5106..5177, 5107..5178, 5325..5399, 5326..5397, 5488..5559, 5490..5573, 5674..5814, 5700..5849, 6290..6376, 6657..6770, 6658..6771, 6895..7014, 6914..7018, 7042..7167, 7077..7184, 7080..7184, 7250..7351, 7254..7349, 7426..7518, 7430..7519, 7645..7728, 7646..7729, 7831..8010, 7844..8002, 8224..8376, 8234..8377, 11482..11631, 11487..11759, 11544..11762, 11614..11769, 11690..11770, 11884..12072, 11884..12048, 12124..12237, 12125..12238, 12304..12390, 12316..12411, 12318..12422, 12516..12602, 12517..12591

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97878	Strand	-
Start	20700	End	20796
Name	OJ990729_04.0317.C2.o3.tw	Method	TBLASTX:Wheat
Start	5130	End	6741
GI	none	Score	86

Exons 5130..5177, 5131..5178, 5137..5178, 5325..5399, 5326..5397, 5328..5399, 5460..5573, 5488..5574, 5489..5584, 5698..5802, 5700..5852, 5700..5852, 6285..6368, 6290..6376, 6657..6734,

6657..6740, 6664..6741

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97878	Strand	-
Start	20700	End	20796
Name	OJ990729_04.0317.C2.o4.ts	Method	TBLASTX:Soybean
Start	6928	End	7905
GI	none	Score	102
Exons	6928..7014, 6929..7009, 7042..7167, 7077..7184, 7226..7351, 7253..7330, 7255..7365, 7425..7502, 7426..7506, 7430..7501, 7642..7728, 7646..7729, 7831..7905, 7844..7903		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97878	Strand	-
Start	20700	End	20796
Name	OJ990729_04.0317.C2.o5.ts	Method	TBLASTX:Soybean
Start	7909	End	11711
GI	none	Score	122
Exons	7909..8010, 8224..8376, 8234..8377, 11482..11634, 11482..11676, 11484..11699, 11487..11711		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97878	Strand	-
Start	20700	End	20796
Name	OJ990729_04.0317.C2.o1.ts	Method	TBLASTX:Soybean
Start	11730	End	12602
GI	none	Score	101
Exons	11730..11759, 11861..12004, 11884..12048, 11899..12048, 12124..12237, 12125..12238, 12316..12414, 12318..12422, 12516..12602, 12520..12591		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97878	Strand	-
Start	20700	End	20796
Name	OJ990729_04.0317.C2.o1.tw	Method	TBLASTX:Wheat
Start	12148	End	13331
GI	none	Score	114
Exons	12148..12237, 12149..12238, 12150..12239, 12313..12390, 12316..12420, 12318..12422, 12318..12422, 12514..12591, 12516..12602, 13257..13331, 13257..13307, 13258..13308		

Seq. No.	46159	Seq. ID	OJ990729_04.0317.C2
Gene No.	97878	Strand	-
Start	20700	End	20796
Name	OJ990729_04.0317.C2.o4.gs	Method	GENSCAN
Start	20700	End	20796
GI	none	Score	.84
Exons	20700..20796		

Seq. No.	46160	Seq. ID	OJ990729_04.0317.C3
Gene No.	97879	Strand	+
Start	166	End	3051
Name	OJ990729_04.0317.C3.o1.gs	Method	GENSCAN
Start	166	End	3051
GI	none	Score	.81
Exons	166..269, 307..470, 542..741, 1445..1485, 1585..1663, 2287..2417, 2533..2604, 2978..3051		

Seq. No.	46160	Seq. ID	OJ990729_04.0317.C3
Gene No.	97879	Strand	+
Start	166	End	3051
Name	OJ990729_04.0317.C3.o1.gp	Method	AAT/GAP
Start	460	End	2741
GI	7319_2.R1084	Score	1226
Exons	460..741, 1445..1485, 1585..1663, 2149..2235, 2329..2417, 2533..2604, 2678..2741		
GI Descrip.	'2081612/dbj|BAA19916| 2.0e-32 (D49714) deltal-pyrroline-5-carboxylate synthetase [Oryza sativa]'		

Seq. No.	46160	Seq. ID	OJ990729_04.0317.C3
Gene No.	97879	Strand	+
Start	166	End	3051
Name	OJ990729_04.0317.C3.o1.np	Method	AAT/NAP
Start	584	End	2778
GI	7340678	Score	626
Exons	584..741, 1445..1485, 1585..1663, 2149..2235, 2329..2417, 2533..2604, 2678..2778		
GI Descrip.	(AL162508) putative protein [Arabidopsis thaliana]		

Seq. No.	46160	Seq. ID	OJ990729_04.0317.C3
Gene No.	97880	Strand	+
Start	4111	End	4231
Name	OJ990729_04.0317.C3.o3.np	Method	AAT/NAP
Start	4111	End	4231
GI	7431112	Score	119
Exons	4111..4231		
GI Descrip.	abscisic acid activated protein - alfalfa gi|3378650|emb|CAA66205.1| (X97606) abscisic acid activated [Medicago sativa]		

Seq. No.	46160	Seq. ID	OJ990729_04.0317.C3
Gene No.	97881	Strand	-
Start	3316	End	4231
Name	OJ990729_04.0317.C3.o1.tm	Method	TBLASTX:Maize
Start	583	End	2791
GI	none	Score	228
Exons	583..705, 608..739, 705..743, 1445..1489, 1446..1487, 1569..1661, 1569..1661, 1583..1663, 2133..2219, 2134..2229, 2147..2233, 2290..2412, 2328..2429, 2330..2413, 2514..2600, 2525..2602, 2665..2781, 2670..2780, 2678..2791		

Seq. No.	46160	Seq. ID	OJ990729_04.0317.C3
Gene No.	97881	Strand	-
Start	3316	End	4231
Name	OJ990729_04.0317.C3.o1.ts	Method	TBLASTX:Soybean
Start	583	End	2781
GI	none	Score	214
Exons	583..705, 608..739, 705..743, 1446..1484, 1587..1661, 1589..1663, 2137..2235, 2147..2233, 2290..2412, 2330..2413, 2529..2603, 2534..2599, 2659..2781, 2670..2777		

Seq. No.	46160	Seq. ID	OJ990729_04.0317.C3
Gene No.	97881	Strand	-
Start	3316	End	4231

Name	OJ990729_04.0317.C3.o2.tc	Method	TBLASTX:Cress
Start	583	End	1661
GI	none	Score	196
Exons	583..699, 608..739, 1446..1487, 1599..1661		

Seq. No.	46160	Seq. ID	OJ990729_04.0317.C3
Gene No.	97881	Strand	-
Start	3316	End	4231
Name	OJ990729_04.0317.C3.o2.gs	Method	GENSCAN
Start	3316	End	4230
GI	none	Score	.68
Exons	3316..3399, 3737..3877, 3967..4038, 4177..4230		

Seq. No.	46160	Seq. ID	OJ990729_04.0317.C3
Gene No.	97881	Strand	-
Start	3316	End	4231
Name	OJ990729_04.0317.C3.o2.np	Method	AAT/NAP
Start	3319	End	4231
GI	4895205	Score	368
Exons	3319..3450, 3588..3877, 3967..4231		
GI Descrip.	(AC007661) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	46160	Seq. ID	OJ990729_04.0317.C3
Gene No.	97881	Strand	-
Start	3316	End	4231
Name	OJ990729_04.0317.C3.o2.ts	Method	TBLASTX:Soybean
Start	3633	End	4230
GI	none	Score	54
Exons	3633..3713, 3643..3774, 3647..3790, 3647..3871, 3759..3833, 3967..4080, 4126..4230		

Seq. No.	46160	Seq. ID	OJ990729_04.0317.C3
Gene No.	97881	Strand	-
Start	3316	End	4231
Name	OJ990729_04.0317.C3.o1.tc	Method	TBLASTX:Cress
Start	3642	End	4230
GI	none	Score	93
Exons	3642..3821, 3647..3838, 3647..3832, 3967..4080, 4126..4230		

Seq. No.	46160	Seq. ID	OJ990729_04.0317.C3
Gene No.	97881	Strand	-
Start	3316	End	4231
Name	OJ990729_04.0317.C3.o2.tm	Method	TBLASTX:Maize
Start	3725	End	4230
GI	none	Score	132
Exons	3725..3862, 3725..3877, 3759..3884, 3958..4080, 3967..4080, 3968..4081, 4126..4230, 4126..4230		

Seq. No.	46161	Seq. ID	OJ990729_04.0317.C4
Gene No.	97882	Strand	+
Start	9124	End	9569
Name	OJ990729_04.0317.C4.o2.np	Method	AAT/NAP
Start	9124	End	9569
GI	6539570	Score	141
Exons	9124..9318, 9503..9569		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	46161	Seq. ID	OJ990729_04.0317.C4
Gene No.	97883	Strand	+
Start	9496	End	12937
Name	OJ990729_04.0317.C4.o3.np	Method	AAT/NAP
Start	9496	End	12937
GI	6721512	Score	159
Exons	9496..9538, 11138..11413, 12904..12937		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	46161	Seq. ID	OJ990729_04.0317.C4
Gene No.	97884	Strand	-
Start	1	End	6403
Name	OJ990729_04.0317.C4.o1.np	Method	AAT/NAP
Start	1	End	6292
GI	7340677	Score	543
Exons	1..168, 202..544, 651..711, 1834..2213, 3038..3073, 3113..3334, 6182..6292		
GI Descrip.	(AL162508) putative homeodomain protein [Arabidopsis thaliana]		

Seq. No.	46161	Seq. ID	OJ990729_04.0317.C4
Gene No.	97884	Strand	-
Start	1	End	6403
Name	OJ990729_04.0317.C4.o1.gs	Method	GENSCAN
Start	16	End	6403
GI	none	Score	.62
Exons	16..577, 651..711, 1834..2213, 3038..3953, 3992..4187, 5021..5202, 6036..6403		

Seq. No.	46161	Seq. ID	OJ990729_04.0317.C4
Gene No.	97885	Strand	-
Start	9124	End	9377
Name	OJ990729_04.0317.C4.o2.gs	Method	GENSCAN
Start	9124	End	9377
GI	none	Score	.86
Exons	9124..9234, 9258..9377		

Seq. No.	46161	Seq. ID	OJ990729_04.0317.C4
Gene No.	97886	Strand	-
Start	11937	End	13921
Name	OJ990729_04.0317.C4.o1.tm	Method	TBLASTX:Maize
Start	221	End	711
GI	none	Score	49
Exons	221..268, 240..266, 266..373, 266..547, 270..449, 277..546, 500..547, 643..711, 645..710		

Seq. No.	46161	Seq. ID	OJ990729_04.0317.C4
Gene No.	97886	Strand	-
Start	11937	End	13921
Name	OJ990729_04.0317.C4.o1.ts	Method	TBLASTX:Soybean
Start	464	End	2215
GI	none	Score	62
Exons	464..547, 495..545, 645..710, 649..708, 1833..1919, 1834..1917, 2001..2180, 2174..2215		

Seq. No.	46161	Seq. ID	OJ990729_04.0317.C4
Gene No.	97886	Strand	-
Start	11937	End	13921

Name	OJ990729_04.0317.C4.o2.tm	Method	TBLASTX:Maize
Start	1799	End	3094
GI	none	Score	142
Exons	1799..1912, 1831..1932, 1832..1960, 1833..1952, 2028..2213, 2029..2214, 3035..3094, 3036..3092		

Seq. No.	46161	Seq. ID	OJ990729_04.0317.C4
Gene No.	97886	Strand	-
Start	11937	End	13921
Name	OJ990729_04.0317.C4.o3.gs	Method	GENSCAN
Start	11937	End	13717
GI	none	Score	.76
Exons	11937..11965, 12891..13062, 13361..13458, 13690..13717		

Seq. No.	46161	Seq. ID	OJ990729_04.0317.C4
Gene No.	97886	Strand	-
Start	11937	End	13921
Name	OJ990729_04.0317.C4.o4.np	Method	AAT/NAP
Start	13009	End	13921
GI	5042454	Score	191
Exons	13009..13069, 13371..13921		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97887	Strand	+
Start	20117	End	22945
Name	OJ990729_04.0317.C5.o2.gs	Method	GENSCAN
Start	20117	End	22945
GI	none	Score	.62
Exons	20117..20269, 20529..20557, 20615..20758, 21301..21475, 21965..22037, 22488..22660, 22792..22846, 22929..22945		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97888	Strand	+
Start	31700	End	32210
Name	OJ990729_04.0317.C5.o4.gs	Method	GENSCAN
Start	31700	End	32210
GI	none	Score	.73
Exons	31700..31779, 31937..32210		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97889	Strand	+
Start	36574	End	36780
Name	OJ990729_04.0317.C5.o5.gs	Method	GENSCAN
Start	36574	End	36780
GI	none	Score	1
Exons	36574..36780		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97890	Strand	+
Start	40745	End	40935
Name	OJ990729_04.0317.C5.o8.np	Method	AAT/NAP
Start	40745	End	40935
GI	493947	Score	121
Exons	40745..40935		
GI Descrip.	Chain I, Chymotrypsin Inhibitor 2 (Ci2) Mutant With Ile 76 Replaced By Val (I76v)		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97891	Strand	+
Start	48928	End	52768
Name	OJ990729_04.0317.C5.o2.gp	Method	AAT/GAP
Start	48928	End	52768
GI	LIB3477-003-P1-K1-E9	Score	82
Exons	48928..48977, 52730..52768		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97892	Strand	+
Start	53105	End	58031
Name	OJ990729_04.0317.C5.o8.gs	Method	GENSCAN
Start	53105	End	57051
GI	none	Score	.65
Exons	53105..53157, 53260..53355, 53434..53508, 54143..54217, 54311..54527, 54621..55314, 55429..55577, 55721..55752, 55799..55886, 56350..57051		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97892	Strand	+
Start	53105	End	58031
Name	OJ990729_04.0317.C5.o9.np	Method	AAT/NAP
Start	53195	End	58031
GI	5764395	Score	520
Exons	53195..53216, 54962..55314, 55429..55886, 55965..56246, 56350..56421, 57948..58031		
GI Descrip.	(AF159587) far-red impaired response protein [Arabidopsis thaliana]		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97893	Strand	-
Start	4180	End	4236
Name	OJ990729_04.0317.C5.o1.gp	Method	AAT/GAP
Start	4180	End	4236
GI	2312838	Score	67
Exons	4180..4236		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97894	Strand	-
Start	8665	End	14732
Name	OJ990729_04.0317.C5.o1.np	Method	AAT/NAP
Start	8665	End	10702
GI	3024501	Score	870
Exons	8665..9151, 10542..10702		
GI Descrip.	RAS-RELATED PROTEIN RAB11C gi|1370146|emb|CAA98179| (Z73951) RAB11C [Lotus japonicus]		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97894	Strand	-
Start	8665	End	14732
Name	OJ990729_04.0317.C5.o2.np	Method	AAT/NAP

Start	10477	End	12478
GI	6069661	Score	177
Exons	10477..10538, 10849..11041, 12220..12478		
GI Descrip.	(AP000616) Similar to Sequence of BAC F7G19 from Arabidopsis thaliana chromosome 1; similar to Saccharomyces hypothetical protein YDR051c (AC000106) [Oryza sativa]		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97894	Strand	-
Start	8665	End	14732
Name	OJ990729_04.0317.C5.o3.np	Method	AAT/NAP
Start	10502	End	14732
GI	5001454	Score	66
Exons	10502..10637, 12573..12786, 14699..14732		
GI Descrip.	(AC007730) putative non-LTR retrolelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97895	Strand	-
Start	24084	End	30155
Name	OJ990729_04.0317.C5.o3.gs	Method	GENSCAN
Start	24084	End	30155
GI	none	Score	.51
Exons	24084..24182, 24211..24269, 24842..25270, 25459..25599, 25682..25738, 26061..26445, 26548..26907, 26999..27289, 27372..27446, 29471..29625, 29728..29844, 29936..30155		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97895	Strand	-
Start	24084	End	30155
Name	OJ990729_04.0317.C5.o4.np	Method	AAT/NAP
Start	24281	End	29847
GI	7340675	Score	1262
Exons	24281..24300, 26337..26445, 26548..26907, 26999..27289, 27372..27446, 29471..29625, 29728..29847		
GI Descrip.	(AL162508) putative protein [Arabidopsis thaliana]		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97896	Strand	-
Start	35897	End	38508
Name	OJ990729_04.0317.C5.o6.np	Method	AAT/NAP
Start	35897	End	38508
GI	7486674	Score	96
Exons	35897..35991, 38351..38508		
GI Descrip.	hypothetical protein F8F16.50 - Arabidopsis thaliana gi|2827518|emb|CAA16526.1| (AL021633) putative protein [Arabidopsis thaliana] gi|7270025|emb|CAB79841.1| (AL161578) putative protein [Arabidopsis thaliana]		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97896	Strand	-
Start	35897	End	38508
Name	OJ990729_04.0317.C5.o6.gs	Method	GENSCAN
Start	37595	End	38483
GI	none	Score	.98
Exons	37595..37670, 37850..37968, 38061..38170, 38300..38483		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97896	Strand	-
Start	35897	End	38508
Name	OJ990729_04.0317.C5.o5.np	Method	AAT/NAP
Start	37598	End	38474
GI	6714413	Score	393
Exons	37598..37670, 37850..37968, 38061..38170, 38300..38474		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97897	Strand	-
Start	40351	End	41776
Name	OJ990729_04.0317.C5.o7.np	Method	AAT/NAP
Start	40351	End	41776
GI	5852084	Score	92
Exons	40351..40434, 41746..41776		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o1.tm	Method	TBLASTX:Maize
Start	8617	End	10703
GI	none	Score	257
Exons	8617..9141, 8671..9150, 8681..9148, 10542..10703, 10544..10702		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o1.tc	Method	TBLASTX:Cress
Start	8671	End	10720
GI	none	Score	45
Exons	8671..8793, 8684..8728, 8740..9150, 8774..9145, 10544..10720, 10545..10709		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o1.ts	Method	TBLASTX:Soybean
Start	8671	End	10703
GI	none	Score	187
Exons	8671..9150, 8754..9104, 8774..9145, 10542..10703, 10544..10702		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o1.tw	Method	TBLASTX:Wheat
Start	8767	End	9147
GI	none	Score	233
Exons	8767..9147, 8774..9130		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o5.tw	Method	TBLASTX:Wheat
Start	10542	End	10730
GI	none	Score	255

Exons	10542..10730, 10544..10729		
Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o7.tm	Method	TBLASTX:Maize
Start	11771	End	12186
GI	none	Score	93
Exons	11771..11854, 11908..12186, 11927..12172		
Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o3.tc	Method	TBLASTX:Cress
Start	24728	End	25094
GI	none	Score	169
Exons	24728..24757, 24843..25094, 24844..25092		
Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o4.tw	Method	TBLASTX:Wheat
Start	24843	End	25094
GI	none	Score	209
Exons	24843..25094, 24844..25092		
Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o6.tm	Method	TBLASTX:Maize
Start	24843	End	25094
GI	none	Score	217
Exons	24843..25094, 24844..25092		
Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o5.ts	Method	TBLASTX:Soybean
Start	24843	End	25074
GI	none	Score	203
Exons	24843..25073, 24844..25074		
Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o2.tm	Method	TBLASTX:Maize
Start	26347	End	27184
GI	none	Score	75
Exons	26347..26445, 26378..26446, 26548..26718, 26551..26685, 26755..26907, 26762..26905, 26999..27184, 27003..27182		
Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o2.ts	Method	TBLASTX:Soybean
Start	26698	End	27229
GI	none	Score	153

Exons	26698..26907, 26729..26920, 26999..27193, 26999..27229, 27000..27227		
Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o2.tc	Method	TBLASTX:Cress
Start	26776	End	27290
GI	none	Score	76
Exons	26776..26907, 26777..26851, 26999..27289, 27003..27182, 27219..27290		
Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o8.tm	Method	TBLASTX:Maize
Start	27218	End	27452
GI	none	Score	112
Exons	27218..27289, 27219..27290, 27241..27300, 27364..27447, 27372..27452, 27372..27449		
Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o3.tm	Method	TBLASTX:Maize
Start	29468	End	29846
GI	none	Score	97
Exons	29468..29530, 29472..29552, 29531..29644, 29532..29633, 29707..29796, 29727..29846, 29729..29824		
Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o7.ts	Method	TBLASTX:Soybean
Start	29498	End	29824
GI	none	Score	70
Exons	29498..29635, 29499..29633, 29732..29824		
Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o6.ts	Method	TBLASTX:Soybean
Start	36573	End	36783
GI	none	Score	79
Exons	36573..36704, 36573..36758, 36574..36783		
Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o4.ts	Method	TBLASTX:Soybean
Start	37604	End	38465
GI	none	Score	70
Exons	37604..37687, 37607..37672, 37843..37950, 37843..37971, 37850..37960, 38058..38180, 38301..38465		
Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-

Start	57778	End	58025
Name	OJ990729_04.0317.C5.o5.tm	Method	TBLASTX:Maize
Start	37843	End	38465
GI	none	Score	74
Exons	37843..37950, 37843..37971, 37850..37960, 38058..38180, 38301..38465		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o2.tw	Method	TBLASTX:Wheat
Start	37849	End	38480
GI	none	Score	125
Exons	37849..37971, 37850..37969, 38058..38180, 38079..38129, 38301..38366, 38302..38361, 38367..38477, 38385..38480		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o5.tc	Method	TBLASTX:Cress
Start	37849	End	38466
GI	none	Score	87
Exons	37849..38013, 37868..37963, 38058..38180, 38301..38465, 38302..38466		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o4.tc	Method	TBLASTX:Cress
Start	54954	End	55315
GI	none	Score	231
Exons	54954..55313, 55061..55312, 55205..55315		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o4.tm	Method	TBLASTX:Maize
Start	55008	End	55541
GI	none	Score	264
Exons	55008..55313, 55109..55312, 55110..55313, 55418..55540, 55428..55541		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o3.ts	Method	TBLASTX:Soybean
Start	55068	End	55748
GI	none	Score	266
Exons	55068..55313, 55106..55312, 55428..55748		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o3.tw	Method	TBLASTX:Wheat
Start	55242	End	55787
GI	none	Score	66
Exons	55242..55313, 55428..55787		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o6.tw	Method	TBLASTX:Wheat
Start	55971	End	56460
GI	none	Score	84
Exons	55971..56075, 56115..56255, 56123..56248, 56341..56460		

Seq. No.	46162	Seq. ID	OJ990729_04.0317.C5
Gene No.	97898	Strand	-
Start	57778	End	58025
Name	OJ990729_04.0317.C5.o9.gs	Method	GENSCAN
Start	57778	End	58025
GI	none	Score	.88
Exons	57778..57891, 57981..58025		

Seq. No.	46163	Seq. ID	OJ990909_03.0303.C1
Gene No.	97899	Strand	+
Start	1	End	3398
Name	OJ990909_03.0303.C1.o1.np	Method	AAT/NAP
Start	1	End	3398
GI	7248394	Score	1634
Exons	1..746, 1014..2054, 3065..3398		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	46163	Seq. ID	OJ990909_03.0303.C1
Gene No.	97899	Strand	+
Start	1	End	3398
Name	OJ990909_03.0303.C1.o3.ts	Method	TBLASTX:Soybean
Start	716	End	1081
GI	none	Score	134
Exons	716..940, 730..849, 947..1081		

Seq. No.	46163	Seq. ID	OJ990909_03.0303.C1
Gene No.	97899	Strand	+
Start	1	End	3398
Name	OJ990909_03.0303.C1.o1.tw	Method	TBLASTX:Wheat
Start	878	End	1282
GI	none	Score	70
Exons	878..934, 878..934, 929..1282, 937..1215, 938..1282		

Seq. No.	46163	Seq. ID	OJ990909_03.0303.C1
Gene No.	97899	Strand	+
Start	1	End	3398
Name	OJ990909_03.0303.C1.o2.tm	Method	TBLASTX:Maize
Start	932	End	1150
GI	none	Score	269
Exons	932..1150, 932..1132, 937..1149		

Seq. No.	46163	Seq. ID	OJ990909_03.0303.C1
Gene No.	97899	Strand	+
Start	1	End	3398

Name	OJ990909_03.0303.C1.o1.tm	Method	TBLASTX:Maize
Start	1151	End	1607
GI	none	Score	402
Exons	1151..1492, 1151..1432, 1300..1497, 1497..1607, 1523..1606		

Seq. No.	46163	Seq. ID	OJ990909_03.0303.C1
Gene No.	97899	Strand	+
Start	1	End	3398
Name	OJ990909_03.0303.C1.o2.ts	Method	TBLASTX:Soybean
Start	1226	End	1456
GI	none	Score	219
Exons	1226..1456, 1253..1432, 1318..1455		

Seq. No.	46163	Seq. ID	OJ990909_03.0303.C1
Gene No.	97899	Strand	+
Start	1	End	3398
Name	OJ990909_03.0303.C1.o2.np	Method	AAT/NAP
Start	1346	End	2903
GI	4680180	Score	567
Exons	1346..2903		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	46163	Seq. ID	OJ990909_03.0303.C1
Gene No.	97899	Strand	+
Start	1	End	3398
Name	OJ990909_03.0303.C1.o1.ts	Method	TBLASTX:Soybean
Start	1922	End	2328
GI	none	Score	148
Exons	1922..2053, 1924..2067, 2074..2328, 2075..2326		

Seq. No.	46163	Seq. ID	OJ990909_03.0303.C1
Gene No.	97899	Strand	+
Start	1	End	3398
Name	OJ990909_03.0303.C1.o2.tw	Method	TBLASTX:Wheat
Start	1961	End	2359
GI	none	Score	77
Exons	1961..2050, 2089..2169, 2090..2359, 2206..2295		

Seq. No.	46164	Seq. ID	OJ990909_03.0303.C2
Gene No.	97900	Strand	+
Start	1	End	2289
Name	OJ990909_03.0303.C2.o1.np	Method	AAT/NAP
Start	1	End	876
GI	4544372	Score	343
Exons	1..876		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	46164	Seq. ID	OJ990909_03.0303.C2
Gene No.	97900	Strand	+
Start	1	End	2289
Name	OJ990909_03.0303.C2.o2.np	Method	AAT/NAP
Start	1	End	1016
GI	629693	Score	351
Exons	1..879, 972..1016		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	46164	Seq. ID	OJ990909_03.0303.C2
Gene No.	97900	Strand	+
Start	1	End	2289
Name	OJ990909_03.0303.C2.o1.tw	Method	TBLASTX:Wheat
Start	72	End	486
GI	none	Score	165
Exons	72..317, 73..342, 397..486		

Seq. No.	46164	Seq. ID	OJ990909_03.0303.C2
Gene No.	97900	Strand	+
Start	1	End	2289
Name	OJ990909_03.0303.C2.o1.gs	Method	GENSCAN
Start	283	End	2289
GI	none	Score	.47
Exons	283..866, 1873..2036, 2179..2289		

Seq. No.	46164	Seq. ID	OJ990909_03.0303.C2
Gene No.	97900	Strand	+
Start	1	End	2289
Name	OJ990909_03.0303.C2.o1.ts	Method	TBLASTX:Soybean
Start	661	End	887
GI	none	Score	206
Exons	661..882, 675..809, 849..887		

Seq. No.	46165	Seq. ID	OJ990909_03.0303.C3
Gene No.	97901	Strand	+
Start	1	End	1804
Name	OJ990909_03.0303.C3.o1.np	Method	AAT/NAP
Start	1	End	1804
GI	7340868	Score	50
Exons	1..20, 459..585, 1782..1804		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	46165	Seq. ID	OJ990909_03.0303.C3
Gene No.	97902	Strand	-
Start	507	End	1947
Name	OJ990909_03.0303.C3.o1.gs	Method	GENSCAN
Start	507	End	1947
GI	none	Score	.65
Exons	507..748, 1940..1947		

Seq. No.	46166	Seq. ID	OJ990909_03.0303.C4
Gene No.	97903	Strand	+
Start	1260	End	3062
Name	OJ990909_03.0303.C4.o1.np	Method	AAT/NAP
Start	1260	End	3062
GI	6063554	Score	473
Exons	1260..1532, 1653..1883, 2222..2249, 2888..3062		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46166	Seq. ID	OJ990909_03.0303.C4
Gene No.	97903	Strand	+
Start	1260	End	3062
Name	OJ990909_03.0303.C4.o1.gp	Method	AAT/GAP

Start	1536	End	1883
GI	101153_1.R1084	Score	464
Exons	1536..1883		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	46166	Seq. ID	OJ990909_03.0303.C4
Gene No.	97904	Strand	+
Start	3598	End	4416
Name	OJ990909_03.0303.C4.o2.np	Method	AAT/NAP
Start	3598	End	4416
GI	6997177	Score	386
Exons	3598..3837, 3922..4039, 4085..4416		
GI Descrip.	(AC023839) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46166	Seq. ID	OJ990909_03.0303.C4
Gene No.	97905	Strand	-
Start	1419	End	3223
Name	OJ990909_03.0303.C4.o2.gs	Method	GENSCAN
Start	1419	End	3223
GI	none	Score	.47
Exons	1419..1784, 1799..1974, 2793..2917, 3121..3223		

Seq. No.	46166	Seq. ID	OJ990909_03.0303.C4
Gene No.	97905	Strand	-
Start	1419	End	3223
Name	OJ990909_03.0303.C4.o2.gp	Method	AAT/GAP
Start	2457	End	2972
GI	uC-osf1M202048c12b1	Score	718
Exons	2457..2972		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	46166	Seq. ID	OJ990909_03.0303.C4
Gene No.	97906	Strand	-
Start	3429	End	3737
Name	OJ990909_03.0303.C4.o3.gp	Method	AAT/GAP
Start	3429	End	3737
GI	61605_3.R1084	Score	440
Exons	3429..3737		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	46166	Seq. ID	OJ990909_03.0303.C4
Gene No.	97907	Strand	
Start	3992	End	4416
Name	OJ990909_03.0303.C4.o1.tm	Method	TBLASTX:Maize
Start	3992	End	4416
GI	none	Score	63
Exons	3992..4063, 4046..4411, 4051..4200, 4237..4416		

Seq. No.	46166	Seq. ID	OJ990909_03.0303.C4
Gene No.	97907	Strand	
Start	3992	End	4416
Name	OJ990909_03.0303.C4.o1.tw	Method	TBLASTX:Wheat
Start	4192	End	4414
GI	none	Score	253

Exons	4192..4407, 4193..4414, 4292..4408		
Seq. No.	46167	Seq. ID	OJ990909_03.0303.C5
Gene No.	97908	Strand	+
Start	1	End	463
Name	OJ990909_03.0303.C5.o1.np	Method	AAT/NAP
Start	1	End	463
GI	4726116	Score	374
Exons	1..463		
GI Descrip.	(AC006436) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	46167	Seq. ID	OJ990909_03.0303.C5
Gene No.	97909	Strand	+
Start	1277	End	7581
Name	OJ990909_03.0303.C5.o1.tw	Method	TBLASTX:Wheat
Start	1	End	340
GI	none	Score	136
Exons	1..93, 2..103, 2..103, 106..336, 106..336, 113..340, 113..337		
Seq. No.	46167	Seq. ID	OJ990909_03.0303.C5
Gene No.	97909	Strand	+
Start	1277	End	7581
Name	OJ990909_03.0303.C5.o1.tm	Method	TBLASTX:Maize
Start	2	End	352
GI	none	Score	314
Exons	2..247, 7..246, 78..266, 97..258, 244..285, 245..283, 287..352, 314..352		
Seq. No.	46167	Seq. ID	OJ990909_03.0303.C5
Gene No.	97909	Strand	+
Start	1277	End	7581
Name	OJ990909_03.0303.C5.o2.np	Method	AAT/NAP
Start	1277	End	6023
GI	7106512	Score	1545
Exons	1277..1337, 1411..2811, 3354..4382, 4469..4639, 5994..6023		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	46167	Seq. ID	OJ990909_03.0303.C5
Gene No.	97909	Strand	+
Start	1277	End	7581
Name	OJ990909_03.0303.C5.o2.gs	Method	GENSCAN
Start	2530	End	7581
GI	none	Score	.61
Exons	2530..2685, 3072..3130, 3547..4446, 4850..5053, 5126..5257, 6136..6284, 6354..6550, 6945..6989, 7431..7581		
Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97910	Strand	+
Start	311	End	1474
Name	OJ990909_03.0303.C6.o1.np	Method	AAT/NAP
Start	311	End	1471
GI	5902382	Score	261
Exons	311..491, 706..876, 1388..1471		
GI Descrip.	(AC009322) Unknown protein [Arabidopsis thaliana]		
Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6

Gene No.	97910	Strand	+
Start	311	End	1474
Name	OJ990909_03.0303.C6.o1.gs	Method	GENSCAN
Start	691	End	1474
GI	none	Score	.71
Exons	691..876, 1388..1474		

Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97911	Strand	+
Start	2107	End	11792
Name	OJ990909_03.0303.C6.o2.gs	Method	GENSCAN
Start	2107	End	3396
GI	none	Score	.83
Exons	2107..2275, 3308..3396		

Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97911	Strand	+
Start	2107	End	11792
Name	OJ990909_03.0303.C6.o3.np	Method	AAT/NAP
Start	3093	End	5464
GI	6907095	Score	336
Exons	3093..3157, 4631..4885, 5134..5464		
GI Descrip.	(AP001129) Similar to Oryza sativa Scl1 protein (AF067401)		

Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97911	Strand	+
Start	2107	End	11792
Name	OJ990909_03.0303.C6.o3.gs	Method	GENSCAN
Start	4555	End	11792
GI	none	Score	.63
Exons	4555..4670, 4715..4880, 5177..5464, 5761..5823, 8736..8877, 9112..9749, 9896..10207, 10409..10711, 11106..11792		

Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97911	Strand	+
Start	2107	End	11792
Name	OJ990909_03.0303.C6.o2.np	Method	AAT/NAP
Start	4583	End	4831
GI	4314401	Score	110
Exons	4583..4831		
GI Descrip.	(AC006232) putative beta-1,3-glucanase [Arabidopsis thaliana]		

Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97912	Strand	-
Start	12452	End	16105
Name	OJ990909_03.0303.C6.o3.ts	Method	TBLASTX:Soybean
Start	12206	End	12451
GI	none	Score	134
Exons	12206..12451, 12270..12449		

Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97912	Strand	-
Start	12452	End	16105
Name	OJ990909_03.0303.C6.o4.np	Method	AAT/NAP
Start	12212	End	16105
GI	4544372	Score	729
Exons	12212..13783, 13889..14074, 14991..15222, 15283..15598,		

	16061..16105		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97912	Strand	-
Start	12452	End	16105
Name	OJ990909_03.0303.C6.o1.tw	Method	TBLASTX:Wheat
Start	12227	End	12634
GI	none	Score	78
Exons	12227..12634, 12261..12404		
Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97912	Strand	-
Start	12452	End	16105
Name	OJ990909_03.0303.C6.o4.gs	Method	GENSCAN
Start	12452	End	15611
GI	none	Score	.49
Exons	12452..13206, 13255..13385, 13605..14112, 14212..14272, 14590..14820, 14892..15024, 15177..15210, 15575..15611		
Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97912	Strand	-
Start	12452	End	16105
Name	OJ990909_03.0303.C6.o4.ts	Method	TBLASTX:Soybean
Start	12794	End	13192
GI	none	Score	91
Exons	12794..13192, 12972..13088		
Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97912	Strand	-
Start	12452	End	16105
Name	OJ990909_03.0303.C6.o2.tm	Method	TBLASTX:Maize
Start	12815	End	13147
GI	none	Score	76
Exons	12815..13039, 13037..13147		
Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97912	Strand	-
Start	12452	End	16105
Name	OJ990909_03.0303.C6.o2.tw	Method	TBLASTX:Wheat
Start	13613	End	14011
GI	none	Score	40
Exons	13613..13882, 13635..13766, 13803..13871, 13922..14011		
Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97912	Strand	-
Start	12452	End	16105
Name	OJ990909_03.0303.C6.o1.ts	Method	TBLASTX:Soybean
Start	13644	End	14056
GI	none	Score	125
Exons	13644..13898, 13646..13897, 13919..14056, 13923..14054		
Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97912	Strand	-
Start	12452	End	16105
Name	OJ990909_03.0303.C6.o2.ts	Method	TBLASTX:Soybean

Start	15163	End	15592
GI	none	Score	75
Exons	15163..15297, 15164..15268, 15314..15592, 15489..15557		

Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97912	Strand	-
Start	12452	End	16105
Name	OJ990909_03.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	15284	End	15607
GI	none	Score	87
Exons	15284..15607, 15285..15434, 15489..15593		

Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97912	Strand	-
Start	12452	End	16105
Name	OJ990909_03.0303.C6.o3.tw	Method	TBLASTX:Wheat
Start	15290	End	15596
GI	none	Score	57
Exons	15290..15592, 15486..15596		

Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97912	Strand	-
Start	12452	End	16105
Name	OJ990909_03.0303.C6.o5.gs	Method	GENSCAN
Start	15790	End	15923
GI	none	Score	.44
Exons	15790..15923		

Seq. No.	46168	Seq. ID	OJ990909_03.0303.C6
Gene No.	97912	Strand	-
Start	12452	End	16105
Name	OJ990909_03.0303.C6.o5.np	Method	AAT/NAP
Start	15793	End	16105
GI	5922620	Score	157
Exons	15793..15935, 16010..16105		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46169	Seq. ID	OJ990909_03.0303.C7
Gene No.	97913	Strand	-
Start	1	End	6610
Name	OJ990909_03.0303.C7.o1.np	Method	AAT/NAP
Start	1	End	6610
GI	7248394	Score	847
Exons	1..124, 393..896, 6192..6610		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	46169	Seq. ID	OJ990909_03.0303.C7
Gene No.	97913	Strand	-
Start	1	End	6610

Name	OJ990909_03.0303.C7.o1.gs	Method	GENSCAN
Start	196	End	663
GI	none	Score	.9
Exons	196..663		

Seq. No.	46169	Seq. ID	OJ990909_03.0303.C7
Gene No.	97914	Strand	-
Start	8878	End	9607
Name	OJ990909_03.0303.C7.o1.tm	Method	TBLASTX:Maize
Start	1	End	197
GI	none	Score	149
Exons	1..168, 3..197		

Seq. No.	46169	Seq. ID	OJ990909_03.0303.C7
Gene No.	97914	Strand	-
Start	8878	End	9607
Name	OJ990909_03.0303.C7.o1.tw	Method	TBLASTX:Wheat
Start	2	End	261
GI	none	Score	164
Exons	2..166, 3..197, 4..168, 148..201, 148..210, 205..261, 229..261		

Seq. No.	46169	Seq. ID	OJ990909_03.0303.C7
Gene No.	97914	Strand	-
Start	8878	End	9607
Name	OJ990909_03.0303.C7.o2.np	Method	AAT/NAP
Start	8878	End	9607
GI	7248393	Score	447
Exons	8878..9225, 9301..9607		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	46170	Seq. ID	OJ990909_03.0303.C8
Gene No.	97915	Strand	-
Start	18	End	5087
Name	OJ990909_03.0303.C8.o1.gs	Method	GENSCAN
Start	18	End	5087
GI	none	Score	.5
Exons	18..130, 1000..1061, 1583..1816, 1950..2132, 4251..4447, 4485..4603, 4699..4823, 4834..4968, 5042..5087		

Seq. No.	46171	Seq. ID	OJ990909_03.0303.C9
Gene No.	97916	Strand	+
Start	1243	End	1542
Name	OJ990909_03.0303.C9.o1.gs	Method	GENSCAN
Start	1243	End	1542
GI	none	Score	.63
Exons	1243..1542		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97917	Strand	+
Start	2407	End	7285
Name	OJ990909_03.0303.C10.o1.np	Method	AAT/NAP
Start	2407	End	7285
GI	7489805	Score	2652
Exons	2407..2536, 4134..7285		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97918	Strand	+
Start	13278	End	18374
Name	OJ990909_03.0303.C10.o2.np	Method	AAT/NAP
Start	13278	End	18374
GI	7487640	Score	336
Exons	13278..13339, 13756..13824, 15275..15993, 18301..18374		
GI Descrip.	hypothetical protein T4F9.40 - Arabidopsis thaliana gi|4539436|emb|CAB40024.1| (AL049523) putative reverse-transcriptase-like protein [Arabidopsis thaliana] gi|7267755|emb|CAB78181.1| (AL161517) putative reverse-transcriptase-like protein [Arabidopsis thaliana]		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97918	Strand	+
Start	13278	End	18374
Name	OJ990909_03.0303.C10.o3.np	Method	AAT/NAP
Start	18172	End	18374
GI	6705984	Score	167
Exons	18172..18374		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97919	Strand	-
Start	8668	End	12116
Name	OJ990909_03.0303.C10.o2.gs	Method	GENSCAN
Start	8668	End	12116
GI	none	Score	.62
Exons	8668..9132, 9292..9435, 9530..10515, 10604..10679, 10752..11508, 11622..11736, 11925..11998, 12109..12116		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97920	Strand	-
Start	17117	End	18204
Name	OJ990909_03.0303.C10.o6.tw	Method	TBLASTX:Wheat
Start	3483	End	3815
GI	none	Score	176
Exons	3483..3815		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97920	Strand	-
Start	17117	End	18204
Name	OJ990909_03.0303.C10.o1.tw	Method	TBLASTX:Wheat
Start	4238	End	15987
GI	none	Score	467
Exons	4238..4669, 4264..4668, 15874..15987		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97920	Strand	-
Start	17117	End	18204
Name	OJ990909_03.0303.C10.o1.tm	Method	TBLASTX:Maize
Start	4454	End	16000
GI	none	Score	139
Exons	4454..4663, 15634..15993, 15666..15965, 15809..16000, 15820..15990		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10

Gene No.	97920	Strand	-
Start	17117	End	18204
Name	OJ990909_03.0303.C10.o2.ts	Method	TBLASTX:Soybean
Start	4454	End	15966
GI	none	Score	72
Exons	4454..4546, 15766..15966, 15789..15965		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97920	Strand	-
Start	17117	End	18204
Name	OJ990909_03.0303.C10.o2.tm	Method	TBLASTX:Maize
Start	4727	End	5110
GI	none	Score	383
Exons	4727..5110, 4748..5062, 4837..5097		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97920	Strand	-
Start	17117	End	18204
Name	OJ990909_03.0303.C10.o2.tw	Method	TBLASTX:Wheat
Start	4784	End	5203
GI	none	Score	436
Exons	4784..5203, 4837..5097, 5123..5176		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97920	Strand	-
Start	17117	End	18204
Name	OJ990909_03.0303.C10.o1.ts	Method	TBLASTX:Soybean
Start	4829	End	5212
GI	none	Score	254
Exons	4829..5212, 4879..5022		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97920	Strand	-
Start	17117	End	18204
Name	OJ990909_03.0303.C10.o3.tw	Method	TBLASTX:Wheat
Start	5354	End	5761
GI	none	Score	208
Exons	5354..5578, 5407..5595, 5609..5761, 5620..5760		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97920	Strand	-
Start	17117	End	18204
Name	OJ990909_03.0303.C10.o3.tm	Method	TBLASTX:Maize
Start	6062	End	6520
GI	none	Score	347
Exons	6062..6520, 6187..6381, 6427..6519		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97920	Strand	-
Start	17117	End	18204
Name	OJ990909_03.0303.C10.o4.tw	Method	TBLASTX:Wheat
Start	6170	End	6556
GI	none	Score	249
Exons	6170..6556		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97920	Strand	-

Start	17117	End	18204
Name	OJ990909_03.0303.C10.o5.tm	Method	TBLASTX:Maize
Start	6520	End	6692
GI	none	Score	56
Exons	6520..6555, 6521..6556, 6546..6692, 6551..6691		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97920	Strand	-
Start	17117	End	18204
Name	OJ990909_03.0303.C10.o5.tw	Method	TBLASTX:Wheat
Start	6678	End	7178
GI	none	Score	96
Exons	6678..6797, 6825..7022, 6842..7048, 7149..7178		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97920	Strand	-
Start	17117	End	18204
Name	OJ990909_03.0303.C10.o6.tm	Method	TBLASTX:Maize
Start	6723	End	6965
GI	none	Score	198
Exons	6723..6965		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97920	Strand	-
Start	17117	End	18204
Name	OJ990909_03.0303.C10.o4.tm	Method	TBLASTX:Maize
Start	14877	End	15348
GI	none	Score	267
Exons	14877..15011, 14908..15348, 14923..15024		

Seq. No.	46172	Seq. ID	OJ990909_03.0303.C10
Gene No.	97920	Strand	-
Start	17117	End	18204
Name	OJ990909_03.0303.C10.o4.gs	Method	GENSCAN
Start	17117	End	18204
GI	none	Score	.7
Exons	17117..17285, 18122..18204		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o1.np	Method	AAT/NAP
Start	1	End	4463
GI	6705984	Score	6031
Exons	1..4463		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o1.gs	Method	GENSCAN
Start	54	End	4562
GI	none	Score	.63
Exons	54..1490, 1599..1771, 1870..2021, 2157..2243, 2334..3274, 3466..3485, 4026..4562		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11

Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o2.tw	Method	TBLASTX:Wheat
Start	224	End	801
GI	none	Score	201
Exons	224..430, 241..432, 242..430,	431..793, 436..801, 437..793	

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o6.tm	Method	TBLASTX:Maize
Start	226	End	463
GI	none	Score	59
Exons	226..345, 227..424, 236..463,	238..462	

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o4.ts	Method	TBLASTX:Soybean
Start	271	End	667
GI	none	Score	131
Exons	271..405, 272..406, 446..667,	466..654	

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o3.tw	Method	TBLASTX:Wheat
Start	1151	End	1633
GI	none	Score	336
Exons	1151..1426, 1163..1420, 1171..1425, 1425..1595, 1439..1633, 1444..1605		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o3.ts	Method	TBLASTX:Soybean
Start	1391	End	1633
GI	none	Score	288
Exons	1391..1633, 1393..1587, 1397..1627		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o5.tm	Method	TBLASTX:Maize
Start	1391	End	1636
GI	none	Score	297
Exons	1391..1636, 1393..1602, 1397..1627		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o8.tw	Method	TBLASTX:Wheat
Start	1687	End	1870
GI	none	Score	186
Exons	1687..1866, 1688..1870		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11

Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o8.tm	Method	TBLASTX:Maize
Start	1709	End	1959
GI	none	Score	67
Exons	1709..1804, 1817..1867, 1819..1887, 1861..1959, 1863..1958		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o6.tw	Method	TBLASTX:Wheat
Start	1915	End	2397
GI	none	Score	384
Exons	1915..2397, 2010..2363		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o3.tm	Method	TBLASTX:Maize
Start	1984	End	2451
GI	none	Score	402
Exons	1984..2451, 2059..2181, 2196..2420		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o2.tc	Method	TBLASTX:Cress
Start	2062	End	2364
GI	none	Score	178
Exons	2062..2364		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o2.ts	Method	TBLASTX:Soybean
Start	2374	End	2733
GI	none	Score	341
Exons	2374..2733, 2493..2720		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o7.tw	Method	TBLASTX:Wheat
Start	2446	End	2847
GI	none	Score	311
Exons	2446..2847, 2493..2846		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o2.tm	Method	TBLASTX:Maize
Start	2494	End	2997
GI	none	Score	414
Exons	2494..2997, 2535..2915		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+

Start	1	End	4562
Name	OJ990909_03.0303.C11.o1.ts	Method	TBLASTX:Soybean
Start	2757	End	3014
GI	none	Score	349
Exons	2757..3014, 2758..3012		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o1.tw	Method	TBLASTX:Wheat
Start	2934	End	3360
GI	none	Score	369
Exons	2934..3359, 2934..3359, 2935..3360, 2935..3360		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o5.ts	Method	TBLASTX:Soybean
Start	3019	End	3218
GI	none	Score	161
Exons	3019..3123, 3033..3131, 3127..3213, 3129..3218		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o9.tm	Method	TBLASTX:Maize
Start	3139	End	3314
GI	none	Score	212
Exons	3139..3309, 3141..3314		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o1.tc	Method	TBLASTX:Cress
Start	3310	End	3675
GI	none	Score	456
Exons	3310..3675, 3382..3672, 3450..3674		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o1.tm	Method	TBLASTX:Maize
Start	3394	End	3742
GI	none	Score	521
Exons	3394..3738, 3397..3735, 3404..3742, 3426..3737		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o5.tw	Method	TBLASTX:Wheat
Start	3487	End	3846
GI	none	Score	417
Exons	3487..3846, 3492..3836		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562

Name	OJ990909_03.0303.C11.o6.ts	Method	TBLASTX:Soybean
Start	3541	End	3810
GI	none	Score	83
Exons	3541..3615, 3556..3621, 3627..3683, 3628..3810		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o10.tm	Method	TBLASTX:Maize
Start	3745	End	4037
GI	none	Score	157
Exons	3745..3918, 3948..4037		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o4.tw	Method	TBLASTX:Wheat
Start	3877	End	4274
GI	none	Score	60
Exons	3877..3921, 3878..3928, 3879..3938, 3916..4017, 3920..4186, 3920..4264, 3921..4274		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o4.tm	Method	TBLASTX:Maize
Start	4041	End	4315
GI	none	Score	343
Exons	4041..4313, 4043..4315, 4075..4314		

Seq. No.	46173	Seq. ID	OJ990909_03.0303.C11
Gene No.	97921	Strand	+
Start	1	End	4562
Name	OJ990909_03.0303.C11.o7.tm	Method	TBLASTX:Maize
Start	4317	End	4556
GI	none	Score	225
Exons	4317..4505, 4319..4438, 4321..4479, 4353..4493, 4518..4556		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97922	Strand	+
Start	1	End	11232
Name	OJ990909_03.0303.C12.o1.np	Method	AAT/NAP
Start	1	End	1197
GI	3810596	Score	599
Exons	1..298, 394..1197		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97922	Strand	+
Start	1	End	11232
Name	OJ990909_03.0303.C12.o1.gs	Method	GENSCAN
Start	720	End	7409
GI	none	Score	.56
Exons	720..1330, 1471..1602, 3718..3786, 3869..4296, 5041..5159, 5242..5901, 6008..6085, 6171..6260, 6563..6700, 7401..7409		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97922	Strand	+
Start	1	End	11232
Name	OJ990909_03.0303.C12.o1.gp	Method	AAT/GAP
Start	3875	End	4296
GI	27635_1.R1084	Score	811
Exons	3875..4296		
GI Descrip.	'1737492 1.0e-46 (U81318) poly(A)-binding protein [Triticum aestivum]'		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97922	Strand	+
Start	1	End	11232
Name	OJ990909_03.0303.C12.o2.np	Method	AAT/NAP
Start	4041	End	11022
GI	7439967	Score	2363
Exons	4041..4296, 5041..5159, 5242..5901, 6008..6085, 6171..6260, 6563..6700, 10207..10377, 10479..10685, 10780..11022		
GI Descrip.	polyadenylate-binding protein - wheat gi|1737492|gb|AAB38974.1| (U81318) poly(A)-binding protein [Triticum aestivum]		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97922	Strand	+
Start	1	End	11232
Name	OJ990909_03.0303.C12.o2.gp	Method	AAT/GAP
Start	5276	End	5876
GI	23869_1.R1084	Score	1160
Exons	5276..5876		
GI Descrip.	'1737492 2.0e-74 (U81318) poly(A)-binding protein [Triticum aestivum]'		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97922	Strand	+
Start	1	End	11232
Name	OJ990909_03.0303.C12.o3.gp	Method	AAT/GAP
Start	10230	End	11232
GI	1498_1.R1084	Score	1520
Exons	10230..10377, 10479..10685, 10780..11232		
GI Descrip.	'1737492 3.0e-59 (U81318) poly(A)-binding protein [Triticum aestivum]'		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97922	Strand	+
Start	1	End	11232
Name	OJ990909_03.0303.C12.o3.gs	Method	GENSCAN
Start	10243	End	11022
GI	none	Score	.86
Exons	10243..10377, 10479..10685, 10780..11022		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97923	Strand	+
Start	12220	End	15576
Name	OJ990909_03.0303.C12.o4.gs	Method	GENSCAN
Start	12220	End	15576
GI	none	Score	.58
Exons	12220..12280, 13834..13979, 14049..14292, 15509..15576		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97924	Strand	+
Start	18544	End	18879
Name	OJ990909_03.0303.C12.o3.np	Method	AAT/NAP
Start	18544	End	18879
GI	6815052	Score	244
Exons	18544..18724, 18806..18879		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97925	Strand	-
Start	8967	End	9798
Name	OJ990909_03.0303.C12.o2.gs	Method	GENSCAN
Start	8967	End	9798
GI	none	Score	.44
Exons	8967..9214, 9235..9389, 9467..9635, 9765..9798		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97926	Strand	-
Start	16737	End	17265
Name	OJ990909_03.0303.C12.o3.tm	Method	TBLASTX:Maize
Start	76	End	387
GI	none	Score	206
Exons	76..258, 79..246, 87..251, 241..387, 294..386		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97926	Strand	-
Start	16737	End	17265
Name	OJ990909_03.0303.C12.o4.tw	Method	TBLASTX:Wheat
Start	100	End	393
GI	none	Score	298
Exons	100..393, 103..393		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97926	Strand	-
Start	16737	End	17265
Name	OJ990909_03.0303.C12.o2.ts	Method	TBLASTX:Soybean
Start	154	End	393
GI	none	Score	186
Exons	154..393, 159..386		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97926	Strand	-
Start	16737	End	17265
Name	OJ990909_03.0303.C12.o4.tm	Method	TBLASTX:Maize
Start	390	End	551
GI	none	Score	220
Exons	390..551, 404..541, 411..551		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97926	Strand	-
Start	16737	End	17265
Name	OJ990909_03.0303.C12.o2.tm	Method	TBLASTX:Maize
Start	555	End	1216
GI	none	Score	381
Exons	555..998, 569..610, 698..961, 984..1214, 1031..1216, 1087..1215		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97926	Strand	-
Start	16737	End	17265
Name	OJ990909_03.0303.C12.o3.tw	Method	TBLASTX:Wheat
Start	663	End	1073
GI	none	Score	350
Exons	663..1073, 698..1072		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97926	Strand	-
Start	16737	End	17265
Name	OJ990909_03.0303.C12.o1.tc	Method	TBLASTX:Cress
Start	4133	End	10947
GI	none	Score	193
Exons	4133..4294, 4140..4295, 4140..4244, 5036..5158, 5040..5159, 5040..5159, 5239..5853, 5239..5469, 5239..5721, 5241..5723, 5497..5772, 5500..5745, 5505..5726, 5611..5682, 5642..5743, 5773..5850, 5809..5844, 5848..5904, 6005..6091, 6007..6084, 6008..6097, 6180..6260, 6186..6248, 6560..6700, 6568..6684, 10203..10289, 10204..10392, 10207..10290, 10587..10682, 10754..10942, 10780..10947, 10830..10946		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97926	Strand	-
Start	16737	End	17265
Name	OJ990909_03.0303.C12.o1.tm	Method	TBLASTX:Maize
Start	4133	End	11034
GI	none	Score	193
Exons	4133..4294, 4140..4295, 4140..4298, 5036..5155, 5040..5159, 5239..5853, 5239..5472, 5241..5723, 5500..5745, 5500..5772, 5505..5726, 5511..5714, 5611..5703, 5645..5770, 5825..5842, 5833..5910, 5848..5904, 6001..6096, 6002..6091, 6005..6097, 6171..6260, 6177..6245, 6181..6264, 6554..6592, 6593..6628, 6659..6700, 10206..10328, 10207..10290, 10542..10688, 10550..10681, 10554..10685, 10778..10963, 10778..10960, 10780..10974, 10780..10962, 10948..11034		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97926	Strand	-
Start	16737	End	17265
Name	OJ990909_03.0303.C12.o1.ts	Method	TBLASTX:Soybean
Start	4133	End	11025
GI	none	Score	193
Exons	4133..4288, 4140..4295, 5036..5158, 5040..5159, 5239..5853, 5239..5718, 5239..5469, 5241..5723, 5500..5778, 5500..5772, 5505..5726, 5611..5682, 5642..5773, 5791..5847, 5833..5904, 5848..5895, 6001..6084, 6005..6088, 6008..6088, 6180..6260, 6180..6254, 6556..6684, 6556..6684, 6560..6700, 10209..10328, 10210..10290, 10348..10383, 10348..10380, 10450..10491, 10474..10509, 10557..10622, 10626..10682, 10780..10968, 10780..10968, 10957..11025, 10957..11022		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97926	Strand	-
Start	16737	End	17265
Name	OJ990909_03.0303.C12.o5.tw	Method	TBLASTX:Wheat
Start	4157	End	5160

GI	none	Score	221
Exons	4157..4294, 4158..4295, 4158..4298, 4210..4299, 5031..5159, 5033..5155, 5040..5159, 5101..5160		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97926	Strand	-
Start	16737	End	17265
Name	OJ990909_03.0303.C12.o1.tw	Method	TBLASTX:Wheat
Start	5241	End	6088
GI	none	Score	129
Exons	5241..5480, 5242..5472, 5490..5726, 5491..5853, 5500..5577, 5501..5836, 5773..5853, 5833..5889, 5848..5904, 6008..6088		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97926	Strand	-
Start	16737	End	17265
Name	OJ990909_03.0303.C12.o6.tw	Method	TBLASTX:Wheat
Start	6159	End	10383
GI	none	Score	120
Exons	6159..6260, 6171..6260, 6190..6297, 6560..6625, 6562..6642, 6646..6678, 6659..6679, 6677..6700, 10206..10382, 10206..10340, 10207..10383		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97926	Strand	-
Start	16737	End	17265
Name	OJ990909_03.0303.C12.o2.tw	Method	TBLASTX:Wheat
Start	10577	End	11019
GI	none	Score	117
Exons	10577..10681, 10578..10688, 10632..10688, 10778..10957, 10780..11019, 10780..11019		

Seq. No.	46174	Seq. ID	OJ990909_03.0303.C12
Gene No.	97926	Strand	-
Start	16737	End	17265
Name	OJ990909_03.0303.C12.o5.gs	Method	GENSCAN
Start	16737	End	17265
GI	none	Score	.53
Exons	16737..17054, 17059..17265		

Seq. No.	46175	Seq. ID	OJ990909_03.0303.C15
Gene No.	97927	Strand	+
Start	4962	End	5464
Name	OJ990909_03.0303.C15.o1.gs	Method	GENSCAN
Start	4962	End	5464
GI	none	Score	.91
Exons	4962..5093, 5186..5268, 5313..5464		

Seq. No.	46175	Seq. ID	OJ990909_03.0303.C15
Gene No.	97928	Strand	-
Start	4858	End	7001
Name	OJ990909_03.0303.C15.o1.np	Method	AAT/NAP
Start	4858	End	6410
GI	7363272	Score	462
Exons	4858..4996, 5044..5614, 6343..6410		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	46175	Seq. ID	OJ990909_03.0303.C15
Gene No.	97928	Strand	-
Start	4858	End	7001
Name	OJ990909_03.0303.C15.o2.gs	Method	GENSCAN
Start	5753	End	7001
GI	none	Score	.87
Exons	5753..5877, 6284..6460, 6870..7001		

Seq. No.	46176	Seq. ID	OJ990909_03.0303.C17
Gene No.	97929	Strand	
Start	954	End	1337
Name	OJ990909_03.0303.C17.o2.tw	Method	TBLASTX:Wheat
Start	954	End	1337
GI	none	Score	147
Exons	954..1322, 976..1323, 1140..1337		

Seq. No.	46176	Seq. ID	OJ990909_03.0303.C17
Gene No.	97930	Strand	
Start	1621	End	1986
Name	OJ990909_03.0303.C17.o1.ts	Method	TBLASTX:Soybean
Start	1621	End	1971
GI	none	Score	160
Exons	1621..1677, 1771..1971		

Seq. No.	46176	Seq. ID	OJ990909_03.0303.C17
Gene No.	97930	Strand	
Start	1621	End	1986
Name	OJ990909_03.0303.C17.o1.tw	Method	TBLASTX:Wheat
Start	1701	End	1984
GI	none	Score	213
Exons	1701..1982, 1705..1983, 1712..1984		

Seq. No.	46176	Seq. ID	OJ990909_03.0303.C17
Gene No.	97930	Strand	
Start	1621	End	1986
Name	OJ990909_03.0303.C17.o1.tm	Method	TBLASTX:Maize
Start	1744	End	1986
GI	none	Score	89
Exons	1744..1986, 1757..1903		

Seq. No.	46177	Seq. ID	OJ990809_01.0303.C3
Gene No.	97931	Strand	+
Start	2605	End	3444
Name	OJ990809_01.0303.C3.o1.gp	Method	AAT/GAP
Start	2605	End	3444
GI	uC-osflcyp158d12b1	Score	647
Exons	2605..2752, 3082..3138, 3271..3444		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	46177	Seq. ID	OJ990809_01.0303.C3
Gene No.	97932	Strand	
Start	3440	End	4470
Name	OJ990809_01.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	3440	End	4413
GI	none	Score	336

Exons	3440..3937, 3589..3720, 3763..3891, 4031..4174, 4111..4173, 4170..4406, 4171..4413		
Seq. No.	46177	Seq. ID	OJ990809_01.0303.C3
Gene No.	97932	Strand	
Start	3440	End	4470
Name	OJ990809_01.0303.C3.o1.tc	Method	TBLASTX:Cress
Start	3464	End	3904
GI	none	Score	57
Exons	3464..3529, 3560..3904, 3595..3903		
Seq. No.	46177	Seq. ID	OJ990809_01.0303.C3
Gene No.	97932	Strand	
Start	3440	End	4470
Name	OJ990809_01.0303.C3.o1.ts	Method	TBLASTX:Soybean
Start	3560	End	4209
GI	none	Score	302
Exons	3560..3976, 3595..3903, 3950..4081, 4180..4209		
Seq. No.	46177	Seq. ID	OJ990809_01.0303.C3
Gene No.	97932	Strand	
Start	3440	End	4470
Name	OJ990809_01.0303.C3.o1.tw	Method	TBLASTX:Wheat
Start	4170	End	4470
GI	none	Score	260
Exons	4170..4409, 4171..4470		
Seq. No.	46178	Seq. ID	OJ990809_01.0303.C4
Gene No.	97933	Strand	+
Start	1095	End	1167
Name	OJ990809_01.0303.C4.o1.gp	Method	AAT/GAP
Start	1095	End	1167
GI	1631463	Score	81
Exons	1095..1167		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		
Seq. No.	46179	Seq. ID	OJ990809_01.0303.C5
Gene No.	97934	Strand	+
Start	1	End	224
Name	OJ990809_01.0303.C5.o1.gp	Method	AAT/GAP
Start	1	End	224
GI	101595_1.R1084	Score	155
Exons	1..34, 150..224		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		
Seq. No.	46179	Seq. ID	OJ990809_01.0303.C5
Gene No.	97935	Strand	
Start	165	End	439
Name	OJ990809_01.0303.C5.o1.tm	Method	TBLASTX:Maize
Start	165	End	439
GI	none	Score	391
Exons	165..437, 166..438, 167..439, 167..439		
Seq. No.	46179	Seq. ID	OJ990809_01.0303.C5

Gene No.	97936	Strand	
Start	483	End	887
Name	OJ990809_01.0303.C5.o1.ts	Method	TBLASTX:Soybean
Start	483	End	863
GI	none	Score	80
Exons	483..632, 615..863		

Seq. No.	46179	Seq. ID	OJ990809_01.0303.C5
Gene No.	97936	Strand	
Start	483	End	887
Name	OJ990809_01.0303.C5.o1.tw	Method	TBLASTX:Wheat
Start	728	End	887
GI	none	Score	242
Exons	728..886, 729..887		

Seq. No.	46180	Seq. ID	OJ990809_01.0303.C20
Gene No.	97939	Strand	
Start	275	End	733
Name	OJ990809_01.0303.C20.o1.ts	Method	TBLASTX:Soybean
Start	275	End	706
GI	none	Score	282
Exons	275..316, 344..706		

Seq. No.	46180	Seq. ID	OJ990809_01.0303.C20
Gene No.	97939	Strand	
Start	275	End	733
Name	OJ990809_01.0303.C20.o2.tm	Method	TBLASTX:Maize
Start	284	End	733
GI	none	Score	121
Exons	284..316, 350..403, 444..728, 446..733		

Seq. No.	46180	Seq. ID	OJ990809_01.0303.C20
Gene No.	97940	Strand	
Start	857	End	1198
Name	OJ990809_01.0303.C20.o1.tm	Method	TBLASTX:Maize
Start	857	End	1198
GI	none	Score	125
Exons	857..1003, 861..1004, 1043..1189, 1082..1198, 1140..1196		

Seq. No.	46181	Seq. ID	OJ990809_01.0303.C56
Gene No.	97951	Strand	
Start	1	End	585
Name	OJ990809_01.0303.C56.o1.tm	Method	TBLASTX:Maize
Start	1	End	253
GI	none	Score	275
Exons	1..252, 2..253		

Seq. No.	46182	Seq. ID	OJ990809_01.0303.C57
Gene No.	97954	Strand	-
Start	1885	End	2082
Name	OJ990809_01.0303.C57.o1.gp	Method	AAT/GAP
Start	1885	End	2082
GI	5667165	Score	322
Exons	1885..2082		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	46183	Seq. ID	OJ990809_01.0303.C58
Gene No.	97955	Strand	-
Start	6601	End	6965
Name	OJ990809_01.0303.C58.o1.gp	Method	AAT/GAP
Start	6601	End	6965
GI	LIB3434-043-P1-K1-D5	Score	467
Exons	6601..6965		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	46183	Seq. ID	OJ990809_01.0303.C58
Gene No.	97956	Strand	-
Start	7646	End	8140
Name	OJ990809_01.0303.C58.o1.tm	Method	TBLASTX:Maize
Start	4073	End	4620
GI	none	Score	251
Exons	4073..4387, 4111..4386, 4501..4620		

Seq. No.	46183	Seq. ID	OJ990809_01.0303.C58
Gene No.	97956	Strand	-
Start	7646	End	8140
Name	OJ990809_01.0303.C58.o2.gp	Method	AAT/GAP
Start	7646	End	8140
GI	63917_1.R1084	Score	941
Exons	7646..8140		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	46183	Seq. ID	OJ990809_01.0303.C58
Gene No.	97957	Strand	
Start	8771	End	9262
Name	OJ990809_01.0303.C58.o1.ts	Method	TBLASTX:Soybean
Start	8771	End	9235
GI	none	Score	80
Exons	8771..8845, 8879..9235, 9018..9233		

Seq. No.	46183	Seq. ID	OJ990809_01.0303.C58
Gene No.	97957	Strand	
Start	8771	End	9262
Name	OJ990809_01.0303.C58.o2.tm	Method	TBLASTX:Maize
Start	8801	End	9262
GI	none	Score	130
Exons	8801..8845, 8879..8935, 8942..9262, 8964..9251		

Seq. No.	46183	Seq. ID	OJ990809_01.0303.C58
Gene No.	97958	Strand	
Start	9386	End	9728
Name	OJ990809_01.0303.C58.o3.tm	Method	TBLASTX:Maize
Start	9386	End	9728
GI	none	Score	89
Exons	9386..9544, 9387..9524, 9575..9676, 9576..9674, 9672..9728		

Seq. No.	46184	Seq. ID	OJ990809_01.0303.C59
Gene No.	97959	Strand	+
Start	21318	End	21421
Name	OJ990809_01.0303.C59.o1.ts	Method	TBLASTX:Soybean
Start	1030	End	15243

GI	none	Score	234
Exons	1030..1401, 14778..14852, 14935..15243		

Seq. No.	46184	Seq. ID	OJ990809_01.0303.C59
Gene No.	97959	Strand	+
Start	21318	End	21421
Name	OJ990809_01.0303.C59.o3.tm	Method	TBLASTX:Maize
Start	1048	End	15279
GI	none	Score	114
Exons	1048..1098, 1142..1417, 1144..1437, 14808..14852, 14953..15279, 15029..15256		

Seq. No.	46184	Seq. ID	OJ990809_01.0303.C59
Gene No.	97959	Strand	+
Start	21318	End	21421
Name	OJ990809_01.0303.C59.o2.tm	Method	TBLASTX:Maize
Start	1555	End	15690
GI	none	Score	103
Exons	1555..1701, 1559..1702, 1741..1842, 1838..1894, 15397..15555, 15401..15544, 15598..15690		

Seq. No.	46184	Seq. ID	OJ990809_01.0303.C59
Gene No.	97959	Strand	+
Start	21318	End	21421
Name	OJ990809_01.0303.C59.o1.tm	Method	TBLASTX:Maize
Start	9322	End	11510
GI	none	Score	99
Exons	9322..9486, 9495..9605, 9496..9726, 9772..9858, 11093..11209, 11234..11437, 11235..11441, 11457..11510		

Seq. No.	46184	Seq. ID	OJ990809_01.0303.C59
Gene No.	97959	Strand	+
Start	21318	End	21421
Name	OJ990809_01.0303.C59.o1.tw	Method	TBLASTX:Wheat
Start	9547	End	11395
GI	none	Score	131
Exons	9547..9684, 9790..9864, 10991..11203, 11258..11395		

Seq. No.	46184	Seq. ID	OJ990809_01.0303.C59
Gene No.	97959	Strand	+
Start	21318	End	21421
Name	OJ990809_01.0303.C59.o2.gp	Method	AAT/GAP
Start	21318	End	21421
GI	956_1.R1084	Score	185
Exons	21318..21421		
GI Descrip.	'5815410/gb|AAD52659.1|AF177392_1 0.0e+00 (AF177392) blast and wounding induced mitogen-activated protein kinase [Oryza sativa]'		

Seq. No.	46185	Seq. ID	OJ990809_01.0303.C62
Gene No.	97960	Strand	
Start	1814	End	2940
Name	OJ990809_01.0303.C62.o2.tc	Method	TBLASTX:Cress
Start	1814	End	2212
GI	none	Score	72
Exons	1814..2011, 1814..2068, 2064..2210, 2069..2212		

Seq. No.	46185	Seq. ID	OJ990809_01.0303.C62
Gene No.	97960	Strand	
Start	1814	End	2940
Name	OJ990809_01.0303.C62.o1.tm	Method	TBLASTX:Maize
Start	1865	End	2940
GI	none	Score	61
Exons	1865..2275, 1866..1931, 1868..2287, 2333..2728, 2409..2534, 2522..2641, 2562..2729, 2820..2939, 2821..2940		

Seq. No.	46185	Seq. ID	OJ990809_01.0303.C62
Gene No.	97960	Strand	
Start	1814	End	2940
Name	OJ990809_01.0303.C62.o1.tw	Method	TBLASTX:Wheat
Start	1995	End	2260
GI	none	Score	315
Exons	1995..2228, 1995..2123, 1997..2260, 1997..2227		

Seq. No.	46185	Seq. ID	OJ990809_01.0303.C62
Gene No.	97960	Strand	
Start	1814	End	2940
Name	OJ990809_01.0303.C62.o1.ts	Method	TBLASTX:Soybean
Start	2069	End	2722
GI	none	Score	69
Exons	2069..2317, 2070..2231, 2366..2722		

Seq. No.	46185	Seq. ID	OJ990809_01.0303.C62
Gene No.	97960	Strand	
Start	1814	End	2940
Name	OJ990809_01.0303.C62.o1.tc	Method	TBLASTX:Cress
Start	2366	End	2915
GI	none	Score	43
Exons	2366..2725, 2478..2570, 2619..2711, 2781..2915		

Seq. No.	46186	Seq. ID	OJ990809_01.0303.C63
Gene No.	97961	Strand	+
Start	44	End	704
Name	OJ990809_01.0303.C63.o1.gp	Method	AAT/GAP
Start	44	End	704
GI	4714647	Score	1143
Exons	44..704		

Seq. No.	46187	Seq. ID	OJ990809_01.0303.C64
Gene No.	97962	Strand	+
Start	492	End	1046
Name	OJ990809_01.0303.C64.o1.gp	Method	AAT/GAP
Start	492	End	1046
GI	none	Score	997
Exons	492..1046		

Seq. No.	46187	Seq. ID	OJ990809_01.0303.C64
Gene No.	97963	Strand	-
Start	1823	End	2331
Name	OJ990809_01.0303.C64.o2.gp	Method	AAT/GAP
Start	1823	End	2331
GI	none	Score	959
Exons	1823..2331		

Seq. No.	46188	Seq. ID	OJ990809_01.0303.C67
Gene No.	97964	Strand	
Start	416	End	1121
Name	OJ990809_01.0303.C67.o1.tw	Method	TBLASTX:Wheat
Start	578	End	1121
GI	none	Score	296
Exons	578..694, 582..926, 740..880, 915..1121, 996..1103		

Seq. No.	46189	Seq. ID	OJ990809_01.0303.C68
Gene No.	97965	Strand	+
Start	6818	End	8243
Name	OJ990809_01.0303.C68.o1.gp	Method	AAT/GAP
Start	6818	End	8243
GI	uC-osrocyp012b11b1	Score	918
Exons	6818..6938, 7143..7242, 7472..7689, 8190..8243		
GI Descrip.	'4102839 8.0e-32 (AF016713) LeOPT1 [Lycopersicon esculentum]'		

Seq. No.	46189	Seq. ID	OJ990809_01.0303.C68
Gene No.	97966	Strand	+
Start	8471	End	9021
Name	OJ990809_01.0303.C68.o2.gp	Method	AAT/GAP
Start	8471	End	9021
GI	LIB3432-028-P1-K1-G9	Score	877
Exons	8471..8728, 8819..9021		
GI Descrip.	'4322327/gb|AAD16016| 1.0e-33 (AF080545) peptide transporter [Nepenthes alata]'		

Seq. No.	46189	Seq. ID	OJ990809_01.0303.C68
Gene No.	97967	Strand	+
Start	10658	End	10763
Name	OJ990809_01.0303.C68.o4.gp	Method	AAT/GAP
Start	10658	End	10763
GI	5816518	Score	155
Exons	10658..10763		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	46189	Seq. ID	OJ990809_01.0303.C68
Gene No.	97968	Strand	-
Start	9334	End	9724
Name	OJ990809_01.0303.C68.o1.tc	Method	TBLASTX:Cress
Start	7134	End	9625
GI	none	Score	107
Exons	7134..7250, 7468..7662, 7470..7661, 8246..8500, 8247..8723, 8555..8599, 8850..9110, 8882..8947, 8999..9109, 9271..9333, 9275..9331, 9346..9528, 9348..9554, 9519..9617, 9533..9625		

Seq. No.	46189	Seq. ID	OJ990809_01.0303.C68
Gene No.	97968	Strand	-
Start	9334	End	9724
Name	OJ990809_01.0303.C68.o2.tw	Method	TBLASTX:Wheat
Start	7140	End	7614
GI	none	Score	144
Exons	7140..7250, 7145..7246, 7156..7260, 7468..7614, 7470..7610		

Seq. No.	46189	Seq. ID	OJ990809_01.0303.C68
Gene No.	97968	Strand	-

Start	9334	End	9724
Name	OJ990809_01.0303.C68.o3.tm	Method	TBLASTX:Maize
Start	7154	End	7694
GI	none	Score	95
Exons	7154..7246, 7155..7253, 7437..7694, 7468..7668		

Seq. No.	46189	Seq. ID	OJ990809_01.0303.C68
Gene No.	97968	Strand	-
Start	9334	End	9724
Name	OJ990809_01.0303.C68.o1.ts	Method	TBLASTX:Soybean
Start	7468	End	9462
GI	none	Score	132
Exons	7468..7680, 7515..7679, 8256..8717, 8285..8500, 8835..9029, 9275..9331, 9349..9462		

Seq. No.	46189	Seq. ID	OJ990809_01.0303.C68
Gene No.	97968	Strand	-
Start	9334	End	9724
Name	OJ990809_01.0303.C68.o1.tm	Method	TBLASTX:Maize
Start	8267	End	9623
GI	none	Score	151
Exons	8267..8389, 8277..8414, 8381..8446, 8451..8729, 8453..8500, 8844..9110, 8882..8947, 8999..9106, 9275..9331, 9278..9337, 9348..9527, 9349..9528, 9519..9623, 9533..9622		

Seq. No.	46189	Seq. ID	OJ990809_01.0303.C68
Gene No.	97968	Strand	-
Start	9334	End	9724
Name	OJ990809_01.0303.C68.o3.tw	Method	TBLASTX:Wheat
Start	9284	End	9590
GI	none	Score	58
Exons	9284..9331, 9287..9334, 9292..9345, 9344..9382, 9345..9590, 9346..9528		

Seq. No.	46189	Seq. ID	OJ990809_01.0303.C68
Gene No.	97968	Strand	-
Start	9334	End	9724
Name	OJ990809_01.0303.C68.o3.gp	Method	AAT/GAP
Start	9334	End	9724
GI	uC-osrocyp012b11a1	Score	671
Exons	9334..9724		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	46189	Seq. ID	OJ990809_01.0303.C68
Gene No.	97969	Strand	
Start	18924	End	19899
Name	OJ990809_01.0303.C68.o2.tm	Method	TBLASTX:Maize
Start	18924	End	19899
GI	none	Score	170
Exons	18924..19292, 19144..19293, 19584..19787, 19585..19773, 19809..19898, 19825..19899		

Seq. No.	46189	Seq. ID	OJ990809_01.0303.C68
Gene No.	97969	Strand	
Start	18924	End	19899
Name	OJ990809_01.0303.C68.o2.tc	Method	TBLASTX:Cress

Start	18945	End	19899
GI	none	Score	54
Exons	18945..19292, 18958..19113, 19150..19305, 19584..19793, 19585..19776, 19806..19898, 19825..19899		

Seq. No.	46189	Seq. ID	OJ990809_01.0303.C68
Gene No.	97969	Strand	
Start	18924	End	19899
Name	OJ990809_01.0303.C68.o2.ts	Method	TBLASTX:Soybean
Start	19116	End	19899
GI	none	Score	104
Exons	19116..19292, 19168..19293, 19584..19775, 19588..19776, 19806..19898, 19825..19899		

Seq. No.	46189	Seq. ID	OJ990809_01.0303.C68
Gene No.	97969	Strand	
Start	18924	End	19899
Name	OJ990809_01.0303.C68.o1.tw	Method	TBLASTX:Wheat
Start	19164	End	19859
GI	none	Score	79
Exons	19164..19292, 19167..19292, 19168..19293, 19602..19859, 19609..19770		

Seq. No.	46190	Seq. ID	OJ000316_33.0410.C4
Gene No.	97978	Strand	+
Start	1	End	822
Name	OJ000316_33.0410.C4.o1.np	Method	AAT/NAP
Start	1	End	822
GI	1346396	Score	822
Exons	1..822		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]		

Seq. No.	46190	Seq. ID	OJ000316_33.0410.C4
Gene No.	97978	Strand	+
Start	1	End	822
Name	OJ000316_33.0410.C4.o1.gs	Method	GENSCAN
Start	406	End	676
GI	none	Score	.51
Exons	406..676		

Seq. No.	46190	Seq. ID	OJ000316_33.0410.C4
Gene No.	97978	Strand	+
Start	1	End	822
Name	OJ000316_33.0410.C4.o1.tc	Method	TBLASTX:Cress
Start	467	End	723
GI	none	Score	85
Exons	467..568, 526..564, 583..723, 584..715		

Seq. No.	46190	Seq. ID	OJ000316_33.0410.C4
Gene No.	97978	Strand	+
Start	1	End	822

Name	OJ000316_33.0410.C4.o1.ts	Method	TBLASTX:Soybean
Start	500	End	792
GI	none	Score	219
Exons	500..691, 501..692, 503..715,	514..723,	742..792

Seq. No.	46190	Seq. ID	OJ000316_33.0410.C4
Gene No.	97978	Strand	+
Start	1	End	822
Name	OJ000316_33.0410.C4.o1.tm	Method	TBLASTX:Maize
Start	559	End	822
GI	none	Score	91
Exons	559..651, 560..652, 560..652,	653..703,	659..715, 661..723,
	732..785, 739..786, 787..822		

Seq. No.	46191	Seq. ID	OJ000316_33.0410.C5
Gene No.	97979	Strand	+
Start	1	End	526
Name	OJ000316_33.0410.C5.o1.np	Method	AAT/NAP
Start	1	End	526
GI	1346396	Score	605
Exons	1..526		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]		

Seq. No.	46191	Seq. ID	OJ000316_33.0410.C5
Gene No.	97979	Strand	+
Start	1	End	526
Name	OJ000316_33.0410.C5.o1.tw	Method	TBLASTX:Wheat
Start	1	End	217
GI	none	Score	322
Exons	1..210, 2..217		

Seq. No.	46191	Seq. ID	OJ000316_33.0410.C5
Gene No.	97979	Strand	+
Start	1	End	526
Name	OJ000316_33.0410.C5.o1.tm	Method	TBLASTX:Maize
Start	2	End	271
GI	none	Score	267
Exons	2..271, 4..201, 5..268		

Seq. No.	46191	Seq. ID	OJ000316_33.0410.C5
Gene No.	97979	Strand	+
Start	1	End	526
Name	OJ000316_33.0410.C5.o1.tc	Method	TBLASTX:Cress
Start	5	End	511
GI	none	Score	234
Exons	5..268, 43..207, 374..511		

Seq. No.	46191	Seq. ID	OJ000316_33.0410.C5
Gene No.	97979	Strand	+
Start	1	End	526
Name	OJ000316_33.0410.C5.o1.ts	Method	TBLASTX:Soybean

Start	5	End	526
GI	none	Score	160
Exons	5..124, 16..117, 137..304, 154..210, 422..526		

Seq. No.	46192	Seq. ID	OJ000316_33.0410.C6
Gene No.	97980	Strand	+
Start	1	End	1390
Name	OJ000316_33.0410.C6.o1.np	Method	AAT/NAP
Start	1	End	1390
GI	7415941	Score	511
Exons	1..1390		
GI Descrip.	(AB013451) NBS-LRR type resistance gene [Oryza sativa]		

Seq. No.	46192	Seq. ID	OJ000316_33.0410.C6
Gene No.	97980	Strand	+
Start	1	End	1390
Name	OJ000316_33.0410.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	508
GI	none	Score	66
Exons	1..75, 2..76, 164..298, 164..283, 302..508, 326..493		

Seq. No.	46192	Seq. ID	OJ000316_33.0410.C6
Gene No.	97980	Strand	+
Start	1	End	1390
Name	OJ000316_33.0410.C6.o2.np	Method	AAT/NAP
Start	1	End	1390
GI	6721547	Score	731
Exons	1..1390		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	46192	Seq. ID	OJ000316_33.0410.C6
Gene No.	97980	Strand	+
Start	1	End	1390
Name	OJ000316_33.0410.C6.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1321
GI	none	Score	72
Exons	2..70, 19..75, 65..298, 166..213, 271..297, 298..372, 299..535, 545..610, 743..889, 1211..1321		

Seq. No.	46192	Seq. ID	OJ000316_33.0410.C6
Gene No.	97980	Strand	+
Start	1	End	1390
Name	OJ000316_33.0410.C6.o1.tc	Method	TBLASTX:Cress
Start	5	End	748
GI	none	Score	60
Exons	5..70, 143..292, 311..490, 506..595, 704..748		

Seq. No.	46192	Seq. ID	OJ000316_33.0410.C6
Gene No.	97980	Strand	+
Start	1	End	1390
Name	OJ000316_33.0410.C6.o1.gs	Method	GENSCAN
Start	98	End	1363
GI	none	Score	.47
Exons	98..1363		

Seq. No.	46192	Seq. ID	OJ000316_33.0410.C6
Gene No.	97980	Strand	+

Start	1	End	1390
Name	OJ000316_33.0410.C6.o1.tw	Method	TBLASTX:Wheat
Start	203	End	484
GI	none	Score	134
Exons	203..307, 311..475, 326..484		

Seq. No.	46193	Seq. ID	OJ000316_33.0410.C7
Gene No.	97981	Strand	+
Start	211	End	528
Name	OJ000316_33.0410.C7.o1.np	Method	AAT/NAP
Start	211	End	528
GI	6069646	Score	82
Exons	211..528		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	46193	Seq. ID	OJ000316_33.0410.C7
Gene No.	97982	Strand	-
Start	1646	End	1719
Name	OJ000316_33.0410.C7.o2.gs	Method	GENSCAN
Start	1646	End	1719
GI	none	Score	.61
Exons	1646..1719		

Seq. No.	46194	Seq. ID	OJ000316_33.0410.C8
Gene No.	97983	Strand	+
Start	276	End	911
Name	OJ000316_33.0410.C8.o1.gs	Method	GENSCAN
Start	276	End	901
GI	none	Score	.8
Exons	276..901		

Seq. No.	46194	Seq. ID	OJ000316_33.0410.C8
Gene No.	97983	Strand	+
Start	276	End	911
Name	OJ000316_33.0410.C8.o1.ts	Method	TBLASTX:Soybean
Start	287	End	618
GI	none	Score	222
Exons	287..445, 291..446, 297..446, 298..450, 447..614, 544..618		

Seq. No.	46194	Seq. ID	OJ000316_33.0410.C8
Gene No.	97983	Strand	+
Start	276	End	911
Name	OJ000316_33.0410.C8.o2.ts	Method	TBLASTX:Soybean
Start	732	End	911
GI	none	Score	195
Exons	732..911, 737..910		

Seq. No.	46194	Seq. ID	OJ000316_33.0410.C8
Gene No.	97983	Strand	+
Start	276	End	911
Name	OJ000316_33.0410.C8.o1.tm	Method	TBLASTX:Maize
Start	779	End	911
GI	none	Score	215

Exons	779..910, 780..911, 780..911		
Seq. No.	46195	Seq. ID	OJ000316_33.0410.C9
Gene No.	97984	Strand	+
Start	1034	End	1656
Name	OJ000316_33.0410.C9.o1.gp	Method	AAT/GAP
Start	1034	End	1656
GI	27916_1.R1084	Score	721
Exons	1034..1431, 1608..1656		
GI Descrip.	'3183310/sp|O14199|YDQ6_SCHPO 4.0e-12 HYPOTHETICAL 23.2 KD PROTEIN C5D6.06C IN CHROMOSOME I >gi_2281976_emb_CAB10854.1_ (Z98056) putative glycosyl transferase [Schizosaccharomyces pombe]'		
Seq. No.	46195	Seq. ID	OJ000316_33.0410.C9
Gene No.	97985	Strand	-
Start	1227	End	1721
Name	OJ000316_33.0410.C9.o1.tm	Method	TBLASTX:Maize
Start	1209	End	1329
GI	none	Score	126
Exons	1209..1310, 1215..1328, 1222..1329, 1222..1329		
Seq. No.	46195	Seq. ID	OJ000316_33.0410.C9
Gene No.	97985	Strand	-
Start	1227	End	1721
Name	OJ000316_33.0410.C9.o1.tc	Method	TBLASTX:Cress
Start	1224	End	1409
GI	none	Score	131
Exons	1224..1406, 1227..1409, 1228..1407		
Seq. No.	46195	Seq. ID	OJ000316_33.0410.C9
Gene No.	97985	Strand	-
Start	1227	End	1721
Name	OJ000316_33.0410.C9.o1.gs	Method	GENSCAN
Start	1227	End	1403
GI	none	Score	.89
Exons	1227..1403		
Seq. No.	46195	Seq. ID	OJ000316_33.0410.C9
Gene No.	97985	Strand	-
Start	1227	End	1721
Name	OJ000316_33.0410.C9.o1.np	Method	AAT/NAP
Start	1230	End	1721
GI	3183310	Score	76
Exons	1230..1375, 1613..1721		
GI Descrip.	HYPOTHETICAL 23.2 KD PROTEIN C5D6.06C IN CHROMOSOME I gi|7492609|pir||T38960 probable glycosyl transferase - fission yeast (Schizosaccharomyces pombe) gi|2281976|emb|CAB10854.1| (Z98056) putative glycosyl transferase [Schizosaccharomyces pombe]		
Seq. No.	46196	Seq. ID	OJ000316_33.0410.C10
Gene No.	97986	Strand	-
Start	561	End	720
Name	OJ000316_33.0410.C10.o1.gs	Method	GENSCAN
Start	561	End	720
GI	none	Score	.79

Exons	561..720		
Seq. No.	46196	Seq. ID	OJ000316_33.0410.C10
Gene No.	97987	Strand	-
Start	1714	End	2180
Name	OJ000316_33.0410.C10.o2.gs	Method	GENSCAN
Start	1714	End	2180
GI	none	Score	.7
Exons	1714..1722, 1834..2042, 2119..2180		
Seq. No.	46197	Seq. ID	OJ000316_33.0410.C11
Gene No.	97988	Strand	+
Start	1572	End	1746
Name	OJ000316_33.0410.C11.o2.gp	Method	AAT/GAP
Start	1572	End	1746
GI	16335_1.R1084	Score	317
Exons	1572..1746		
GI Descrip.	'736721/dbj|BAA08636| 1.0e-44 (D49833) stearoyl-acyl carrier protein desaturse [Sesamum indicum]'		
Seq. No.	46197	Seq. ID	OJ000316_33.0410.C11
Gene No.	97989	Strand	-
Start	96	End	384
Name	OJ000316_33.0410.C11.o1.gp	Method	AAT/GAP
Start	96	End	384
GI	none	Score	510
Exons	96..384		
Seq. No.	46198	Seq. ID	OJ000316_33.0410.C12
Gene No.	97990	Strand	+
Start	69	End	2003
Name	OJ000316_33.0410.C12.o1.gs	Method	GENSCAN
Start	69	End	2003
GI	none	Score	.49
Exons	69..215, 529..700, 1371..1534, 1806..2003		
Seq. No.	46198	Seq. ID	OJ000316_33.0410.C12
Gene No.	97991	Strand	-
Start	1	End	203
Name	OJ000316_33.0410.C12.o1.np	Method	AAT/NAP
Start	1	End	203
GI	6539570	Score	133
Exons	1..203		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	46198	Seq. ID	OJ000316_33.0410.C12
Gene No.	97992	Strand	-
Start	330	End	1674
Name	OJ000316_33.0410.C12.o2.np	Method	AAT/NAP
Start	330	End	1674
GI	6630699	Score	87
Exons	330..407, 1651..1674		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	46199	Seq. ID	OJ000316_33.0410.C13

Gene No.	97993	Strand	+
Start	2645	End	3171
Name	OJ000316_33.0410.C13.o2.np	Method	AAT/NAP
Start	2645	End	3171
GI	5042447	Score	561
Exons	2645..3171		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	46199	Seq. ID	OJ000316_33.0410.C13
Gene No.	97994	Strand	-
Start	1	End	2952
Name	OJ000316_33.0410.C13.o1.np	Method	AAT/NAP
Start	1	End	2952
GI	5295955	Score	276
Exons	1..231, 917..1030, 1572..1638, 2754..2952		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	46199	Seq. ID	OJ000316_33.0410.C13
Gene No.	97995	Strand	
Start	2860	End	3090
Name	OJ000316_33.0410.C13.o1.tw	Method	TBLASTX:Wheat
Start	2860	End	3090
GI	none	Score	224
Exons	2860..3090, 2861..3082		

Seq. No.	46200	Seq. ID	OJ000316_33.0410.C14
Gene No.	97996	Strand	+
Start	580	End	705
Name	OJ000316_33.0410.C14.o1.gs	Method	GENSCAN
Start	580	End	705
GI	none	Score	.48
Exons	580..705		

Seq. No.	46200	Seq. ID	OJ000316_33.0410.C14
Gene No.	97997	Strand	+
Start	889	End	1064
Name	OJ000316_33.0410.C14.o2.np	Method	AAT/NAP
Start	889	End	1064
GI	4176733	Score	115
Exons	889..1064		
GI Descrip.	(AF040667) ribulose 1,5-bisphosphate carboxylase [Siparuna lepidota] gi|4416449|gb|AAD20355.1| (AF121366) ribulose 1,5-bisphosphate carboxylase large subunit [Nemuaron vieillardii]		

Seq. No.	46200	Seq. ID	OJ000316_33.0410.C14
Gene No.	97998	Strand	-
Start	1	End	714
Name	OJ000316_33.0410.C14.o1.np	Method	AAT/NAP
Start	1	End	714
GI	6539570	Score	177
Exons	1..19, 230..296, 511..714		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	46200	Seq. ID	OJ000316_33.0410.C14
Gene No.	97999	Strand	

Start	904	End	1051
Name	OJ000316_33.0410.C14.o1.tw	Method	TBLASTX:Wheat
Start	904	End	1051
GI	none	Score	89
Exons	904..1005, 919..1050, 920..1051		

Seq. No.	46201	Seq. ID	OJ000316_33.0410.C17
Gene No.	98000	Strand	-
Start	1345	End	1537
Name	OJ000316_33.0410.C17.o2.gs	Method	GENSCAN
Start	1345	End	1537
GI	none	Score	.6
Exons	1345..1402, 1449..1537		

Seq. No.	46202	Seq. ID	OJ000316_33.0410.C18
Gene No.	98001	Strand	+
Start	261	End	2589
Name	OJ000316_33.0410.C18.o1.np	Method	AAT/NAP
Start	261	End	2589
GI	6721516	Score	112
Exons	261..294, 1722..1915, 2320..2589		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	46202	Seq. ID	OJ000316_33.0410.C18
Gene No.	98002	Strand	-
Start	37	End	2347
Name	OJ000316_33.0410.C18.o1.gs	Method	GENSCAN
Start	37	End	2347
GI	none	Score	.81
Exons	37..94, 212..324, 1176..1205, 1327..1415, 2290..2347		

Seq. No.	46203	Seq. ID	OJ000316_33.0410.C19
Gene No.	98003	Strand	+
Start	115	End	5696
Name	OJ000316_33.0410.C19.o1.np	Method	AAT/NAP
Start	115	End	5696
GI	7340884	Score	155
Exons	115..266, 498..672, 5655..5696		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	46203	Seq. ID	OJ000316_33.0410.C19
Gene No.	98003	Strand	+
Start	115	End	5696
Name	OJ000316_33.0410.C19.o1.gs	Method	GENSCAN
Start	428	End	4117
GI	none	Score	.45
Exons	428..532, 1947..2250, 2550..2766, 2935..3099, 3299..3942, 4104..4117		

Seq. No.	46203	Seq. ID	OJ000316_33.0410.C19
Gene No.	98003	Strand	+
Start	115	End	5696
Name	OJ000316_33.0410.C19.o3.np	Method	AAT/NAP
Start	3177	End	5196
GI	6069646	Score	768
Exons	3177..3934, 4222..5196		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	46203	Seq. ID	OJ000316_33.0410.C19
Gene No.	98004	Strand	-
Start	4627	End	6435
Name	OJ000316_33.0410.C19.o4.tm	Method	TBLASTX:Maize
Start	2091	End	2351
GI	none	Score	150
Exons	2091..2234, 2238..2351		

Seq. No.	46203	Seq. ID	OJ000316_33.0410.C19
Gene No.	98004	Strand	-
Start	4627	End	6435
Name	OJ000316_33.0410.C19.o2.tm	Method	TBLASTX:Maize
Start	3153	End	3509
GI	none	Score	112
Exons	3153..3263, 3157..3264, 3267..3509, 3269..3478		

Seq. No.	46203	Seq. ID	OJ000316_33.0410.C19
Gene No.	98004	Strand	-
Start	4627	End	6435
Name	OJ000316_33.0410.C19.o1.tm	Method	TBLASTX:Maize
Start	3510	End	4130
GI	none	Score	58
Exons	3510..3584, 3580..3609, 3584..3610, 3609..4130, 3716..3850, 3884..4126		

Seq. No.	46203	Seq. ID	OJ000316_33.0410.C19
Gene No.	98004	Strand	-
Start	4627	End	6435
Name	OJ000316_33.0410.C19.o3.tm	Method	TBLASTX:Maize
Start	4624	End	5166
GI	none	Score	161
Exons	4624..4971, 4966..5166		

Seq. No.	46203	Seq. ID	OJ000316_33.0410.C19
Gene No.	98004	Strand	-
Start	4627	End	6435
Name	OJ000316_33.0410.C19.o2.gs	Method	GENSCAN
Start	4627	End	6435
GI	none	Score	.9
Exons	4627..5046, 6394..6435		

Seq. No.	46204	Seq. ID	OJ000316_33.0410.C20
Gene No.	98005	Strand	-
Start	1	End	882
Name	OJ000316_33.0410.C20.o1.np	Method	AAT/NAP
Start	1	End	882
GI	7488259	Score	447
Exons	1..41, 171..882		

GI Descrip. protein kinase homolog F4I18.11 - Arabidopsis thaliana gi|3386604|gb|AAC28534.1| (AC004665) putative protein kinase [Arabidopsis thaliana]

Seq. No.	46204	Seq. ID	OJ000316_33.0410.C20
Gene No.	98005	Strand	-
Start	1	End	882
Name	OJ000316_33.0410.C20.o1.ts	Method	TBLASTX:Soybean
Start	6	End	791
GI	none	Score	51
Exons	6..53, 168..215, 252..548, 319..384, 445..546, 645..686, 714..791		

Seq. No.	46204	Seq. ID	OJ000316_33.0410.C20
Gene No.	98005	Strand	-
Start	1	End	882
Name	OJ000316_33.0410.C20.o1.gs	Method	GENSCAN
Start	165	End	755
GI	none	Score	.4
Exons	165..755		

Seq. No.	46204	Seq. ID	OJ000316_33.0410.C20
Gene No.	98005	Strand	-
Start	1	End	882
Name	OJ000316_33.0410.C20.o1.tm	Method	TBLASTX:Maize
Start	262	End	878
GI	none	Score	164
Exons	262..546, 264..560, 471..566, 645..686, 652..678, 699..821, 709..819, 825..878		

Seq. No.	46204	Seq. ID	OJ000316_33.0410.C20
Gene No.	98005	Strand	-
Start	1	End	882
Name	OJ000316_33.0410.C20.o1.tw	Method	TBLASTX:Wheat
Start	614	End	881
GI	none	Score	49
Exons	614..643, 639..686, 639..689, 649..690, 702..821, 709..822, 709..822, 825..881, 826..876		

Seq. No.	46205	Seq. ID	OJ000316_33.0410.C24
Gene No.	98006	Strand	-
Start	173	End	941
Name	OJ000316_33.0410.C24.o1.gs	Method	GENSCAN
Start	173	End	739
GI	none	Score	.5
Exons	173..256, 490..684, 686..739		

Seq. No.	46205	Seq. ID	OJ000316_33.0410.C24
Gene No.	98006	Strand	-
Start	173	End	941
Name	OJ000316_33.0410.C24.o1.tm	Method	TBLASTX:Maize
Start	589	End	896
GI	none	Score	107
Exons	589..690, 618..689, 637..690, 682..780, 686..778, 690..785, 779..820, 784..822, 825..896		

Seq. No.	46205	Seq. ID	OJ000316_33.0410.C24
Gene No.	98006	Strand	-
Start	173	End	941
Name	OJ000316_33.0410.C24.o1.ts	Method	TBLASTX:Soybean

Start	602	End	897
GI	none	Score	72
Exons	602..688, 603..689, 604..690, 690..815, 780..821, 781..822,	637..708, 784..822,	682..795, 686..778, 808..897, 825..896

Seq. No.	46205	Seq. ID	OJ000316_33.0410.C24
Gene No.	98006	Strand	-
Start	173	End	941
Name	OJ000316_33.0410.C24.o1.tc	Method	TBLASTX:Cress
Start	604	End	896
GI	none	Score	58
Exons	604..690, 686..778, 690..785,	779..820,	784..822, 825..896

Seq. No.	46205	Seq. ID	OJ000316_33.0410.C24
Gene No.	98006	Strand	-
Start	173	End	941
Name	OJ000316_33.0410.C24.o1.np	Method	AAT/NAP
Start	605	End	941
GI	7438326	Score	232
Exons	605..941		
GI Descrip.	myb-related protein homolog T20D16.8 - Arabidopsis thaliana gi|2642435|gb|AAB87103.1| (AC002391) putative MYB family transcription factor [Arabidopsis thaliana]		

Seq. No.	46206	Seq. ID	OJ000316_33.0410.C26
Gene No.	98007	Strand	+
Start	1	End	1031
Name	OJ000316_33.0410.C26.o1.np	Method	AAT/NAP
Start	1	End	1031
GI	6735290	Score	418
Exons	1..1031		
GI Descrip.	(AL137079) putative transposase [Arabidopsis thaliana]		

Seq. No.	46206	Seq. ID	OJ000316_33.0410.C26
Gene No.	98007	Strand	+
Start	1	End	1031
Name	OJ000316_33.0410.C26.o1.gs	Method	GENSCAN
Start	142	End	667
GI	none	Score	.85
Exons	142..667		

Seq. No.	46206	Seq. ID	OJ000316_33.0410.C26
Gene No.	98008	Strand	+
Start	1496	End	1949
Name	OJ000316_33.0410.C26.o1.gp	Method	AAT/GAP
Start	1496	End	1949
GI	2431259	Score	821
Exons	1496..1949		

Seq. No.	46206	Seq. ID	OJ000316_33.0410.C26
Gene No.	98009	Strand	-
Start	1651	End	2650
Name	OJ000316_33.0410.C26.o1.tm	Method	TBLASTX:Maize
Start	2	End	970
GI	none	Score	358
Exons	2..514, 4..456, 764..826, 884..970		

Seq. No.	46206	Seq. ID	OJ000316_33.0410.C26
Gene No.	98009	Strand	-
Start	1651	End	2650
Name	OJ000316_33.0410.C26.o1.tc	Method	TBLASTX:Cress
Start	2	End	412
GI	none	Score	260
Exons	2..412		

Seq. No.	46206	Seq. ID	OJ000316_33.0410.C26
Gene No.	98009	Strand	-
Start	1651	End	2650
Name	OJ000316_33.0410.C26.o1.ts	Method	TBLASTX:Soybean
Start	2	End	514
GI	none	Score	333
Exons	2..514, 158..490		

Seq. No.	46206	Seq. ID	OJ000316_33.0410.C26
Gene No.	98009	Strand	-
Start	1651	End	2650
Name	OJ000316_33.0410.C26.o1.tw	Method	TBLASTX:Wheat
Start	170	End	517
GI	none	Score	208
Exons	170..517, 302..484		

Seq. No.	46206	Seq. ID	OJ000316_33.0410.C26
Gene No.	98009	Strand	-
Start	1651	End	2650
Name	OJ000316_33.0410.C26.o2.gs	Method	GENSCAN
Start	1651	End	2650
GI	none	Score	.62
Exons	1651..1811, 2437..2650		

Seq. No.	46207	Seq. ID	OJ000316_33.0410.C27
Gene No.	98010	Strand	-
Start	1384	End	4251
Name	OJ000316_33.0410.C27.o1.gs	Method	GENSCAN
Start	1384	End	4251
GI	none	Score	.95
Exons	1384..1465, 1970..2153, 2299..2389, 3198..3367, 3717..3911, 4131..4251		

Seq. No.	46207	Seq. ID	OJ000316_33.0410.C27
Gene No.	98010	Strand	-
Start	1384	End	4251
Name	OJ000316_33.0410.C27.o1.gp	Method	AAT/GAP
Start	1492	End	3387
GI	730_3.R1084	Score	1474
Exons	1492..1891, 1970..2153, 2299..2389, 3198..3387		
GI Descrip.	'730456/sp|P40978|RS19_ORYSA 3.0e-74 40S RIBOSOMAL PROTEIN S19'		

Seq. No.	46207	Seq. ID	OJ000316_33.0410.C27
Gene No.	98010	Strand	-
Start	1384	End	4251
Name	OJ000316_33.0410.C27.o1.tm	Method	TBLASTX:Maize
Start	1738	End	3291
GI	none	Score	37
Exons	1738..1779, 1828..1890, 1829..1891, 1934..2155, 1969..2154,		

2299..2421, 2300..2389, 2301..2390, 3195..3290, 3199..3291

Seq. No.	46207	Seq. ID	OJ000316_33.0410.C27
Gene No.	98010	Strand	-
Start	1384	End	4251
Name	OJ000316_33.0410.C27.o1.np	Method	AAT/NAP
Start	1819	End	3287
GI	730456	Score	675
Exons	1819..1891, 1970..2153, 2299..2389, 3198..3287		
GI Descrip.	40S RIBOSOMAL PROTEIN S19		

Seq. No.	46207	Seq. ID	OJ000316_33.0410.C27
Gene No.	98010	Strand	-
Start	1384	End	4251
Name	OJ000316_33.0410.C27.o1.tc	Method	TBLASTX:Cress
Start	1828	End	3427
GI	none	Score	60
Exons	1828..1890, 1829..1891, 1952..2155, 1969..2154, 2300..2389, 2301..2390, 3195..3278, 3199..3276, 3407..3427		

Seq. No.	46207	Seq. ID	OJ000316_33.0410.C27
Gene No.	98010	Strand	-
Start	1384	End	4251
Name	OJ000316_33.0410.C27.o1.ts	Method	TBLASTX:Soybean
Start	1828	End	3278
GI	none	Score	45
Exons	1828..1890, 1829..1891, 1969..2154, 1970..2185, 2300..2389, 2301..2390, 3195..3278, 3199..3276		

Seq. No.	46208	Seq. ID	OJ000316_33.0410.C30
Gene No.	98011	Strand	+
Start	382	End	890
Name	OJ000316_33.0410.C30.o1.gs	Method	GENSCAN
Start	382	End	882
GI	none	Score	.69
Exons	382..882		

Seq. No.	46208	Seq. ID	OJ000316_33.0410.C30
Gene No.	98011	Strand	+
Start	382	End	890
Name	OJ000316_33.0410.C30.o1.np	Method	AAT/NAP
Start	688	End	890
GI	7433271	Score	81
Exons	688..890		
GI Descrip.	acyl-[acyl-carrier-protein] desaturase (EC 1.14.99.6) - common sunflower gi|2290400|gb|AAB65144.1| (U91339) stearoyl-ACP desaturase [Helianthus annuus]		

Seq. No.	46209	Seq. ID	OJ000316_33.0410.C31
Gene No.	98012	Strand	-
Start	147	End	645
Name	OJ000316_33.0410.C31.o1.np	Method	AAT/NAP
Start	147	End	645
GI	7523517	Score	349
Exons	147..201, 346..645		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	46210	Seq. ID	OJ000316_33.0410.C32
Gene No.	98013	Strand	-
Start	1	End	1556
Name	OJ000316_33.0410.C32.o1.np	Method	AAT/NAP
Start	1	End	1556
GI	5042454	Score	256
Exons	1..103, 1238..1556		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	46211	Seq. ID	OJ000316_33.0410.C33
Gene No.	98014	Strand	-
Start	1	End	1559
Name	OJ000316_33.0410.C33.o1.np	Method	AAT/NAP
Start	1	End	1504
GI	5902445	Score	1645
Exons	1..1504		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	46211	Seq. ID	OJ000316_33.0410.C33
Gene No.	98014	Strand	-
Start	1	End	1559
Name	OJ000316_33.0410.C33.o3.tw	Method	TBLASTX:Wheat
Start	11	End	419
GI	none	Score	40
Exons	11..184, 12..86, 191..379, 194..418, 201..419		

Seq. No.	46211	Seq. ID	OJ000316_33.0410.C33
Gene No.	98014	Strand	-
Start	1	End	1559
Name	OJ000316_33.0410.C33.o1.gs	Method	GENSCAN
Start	18	End	1504
GI	none	Score	.78
Exons	18..821, 921..1504		

Seq. No.	46211	Seq. ID	OJ000316_33.0410.C33
Gene No.	98014	Strand	-
Start	1	End	1559
Name	OJ000316_33.0410.C33.o1.ts	Method	TBLASTX:Soybean
Start	509	End	934
GI	none	Score	85
Exons	509..934, 750..884		

Seq. No.	46211	Seq. ID	OJ000316_33.0410.C33
Gene No.	98014	Strand	-
Start	1	End	1559
Name	OJ000316_33.0410.C33.o2.tw	Method	TBLASTX:Wheat
Start	564	End	988
GI	none	Score	259
Exons	564..887, 566..988, 707..985		

Seq. No.	46211	Seq. ID	OJ000316_33.0410.C33
Gene No.	98014	Strand	-
Start	1	End	1559
Name	OJ000316_33.0410.C33.o2.tm	Method	TBLASTX:Maize
Start	662	End	1045
GI	none	Score	122
Exons	662..1045, 663..884		

Seq. No.	46211	Seq. ID	OJ000316_33.0410.C33
Gene No.	98014	Strand	-
Start	1	End	1559
Name	OJ000316_33.0410.C33.o1.tm	Method	TBLASTX:Maize
Start	1073	End	1429
GI	none	Score	231
Exons	1073..1429, 1074..1394		

Seq. No.	46211	Seq. ID	OJ000316_33.0410.C33
Gene No.	98014	Strand	-
Start	1	End	1559
Name	OJ000316_33.0410.C33.o1.tw	Method	TBLASTX:Wheat
Start	1103	End	1559
GI	none	Score	374
Exons	1103..1558, 1104..1559		

Seq. No.	46212	Seq. ID	OJ000316_33.0410.C34
Gene No.	98015	Strand	-
Start	1	End	2273
Name	OJ000316_33.0410.C34.o1.np	Method	AAT/NAP
Start	1	End	2273
GI	5902444	Score	996
Exons	1..1533, 1705..1827, 2172..2273		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	46212	Seq. ID	OJ000316_33.0410.C34
Gene No.	98015	Strand	-
Start	1	End	2273
Name	OJ000316_33.0410.C34.o1.gs	Method	GENSCAN
Start	30	End	1927
GI	none	Score	.54
Exons	30..466, 617..990, 1060..1467, 1497..1927		

Seq. No.	46212	Seq. ID	OJ000316_33.0410.C34
Gene No.	98015	Strand	-
Start	1	End	2273
Name	OJ000316_33.0410.C34.o1.tw	Method	TBLASTX:Wheat
Start	51	End	506
GI	none	Score	41
Exons	51..287, 125..217, 199..285, 321..506		

Seq. No.	46212	Seq. ID	OJ000316_33.0410.C34
Gene No.	98015	Strand	-
Start	1	End	2273
Name	OJ000316_33.0410.C34.o2.tw	Method	TBLASTX:Wheat
Start	1137	End	1535
GI	none	Score	63
Exons	1137..1412, 1176..1328, 1186..1365, 1392..1484, 1423..1461, 1485..1535		

Seq. No.	46213	Seq. ID	OJ000316_33.0410.C35
Gene No.	98016	Strand	-
Start	773	End	1272
Name	OJ000316_33.0410.C35.o1.np	Method	AAT/NAP
Start	773	End	1272
GI	7523517	Score	307

Exons	773..827, 972..1272		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	46214	Seq. ID	OJ000316_33.0410.C37
Gene No.	98017	Strand	+
Start	66	End	1191
Name	OJ000316_33.0410.C37.o1.gs	Method	GENSCAN
Start	66	End	1191
GI	none	Score	.76
Exons	66..185, 1069..1191		
Seq. No.	46215	Seq. ID	OJ000316_33.0410.C40
Gene No.	98018	Strand	+
Start	1	End	482
Name	OJ000316_33.0410.C40.o1.gp	Method	AAT/GAP
Start	1	End	482
GI	7062_2.R1084	Score	470
Exons	1..159, 355..482		
GI Descrip.	'4581181/gb|AAD24664.1|AC006220_20 1.0e-31 (AC006220) unknown protein [Arabidopsis thaliana]'		
Seq. No.	46215	Seq. ID	OJ000316_33.0410.C40
Gene No.	98019	Strand	-
Start	739	End	1019
Name	OJ000316_33.0410.C40.o2.gp	Method	AAT/GAP
Start	600	End	1019
GI	none	Score	812
Exons	600..1019		
Seq. No.	46215	Seq. ID	OJ000316_33.0410.C40
Gene No.	98019	Strand	-
Start	739	End	1019
Name	OJ000316_33.0410.C40.o1.gs	Method	GENSCAN
Start	739	End	903
GI	none	Score	.72
Exons	739..903		
Seq. No.	46216	Seq. ID	OJ000316_33.0410.C42
Gene No.	98020	Strand	-
Start	340	End	735
Name	OJ000316_33.0410.C42.o1.gs	Method	GENSCAN
Start	340	End	735
GI	none	Score	.74
Exons	340..433, 695..735		
Seq. No.	46217	Seq. ID	OJ000316_33.0410.C46
Gene No.	98021	Strand	-
Start	1	End	910
Name	OJ000316_33.0410.C46.o1.np	Method	AAT/NAP
Start	1	End	910
GI	6721517	Score	690
Exons	1..323, 372..910		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		
Seq. No.	46217	Seq. ID	OJ000316_33.0410.C46
Gene No.	98021	Strand	-
Start	1	End	910

Name	OJ000316_33.0410.C46.o1.gs	Method	GENSCAN
Start	112	End	839
GI	none	Score	.95
Exons	112..189, 288..839		

Seq. No.	46217	Seq. ID	OJ000316_33.0410.C46
Gene No.	98021	Strand	-
Start	1	End	910
Name	OJ000316_33.0410.C46.o2.tw	Method	TBLASTX:Wheat
Start	168	End	398
GI	none	Score	103
Exons	168..314, 184..300, 333..398		

Seq. No.	46217	Seq. ID	OJ000316_33.0410.C46
Gene No.	98021	Strand	-
Start	1	End	910
Name	OJ000316_33.0410.C46.o1.tw	Method	TBLASTX:Wheat
Start	612	End	896
GI	none	Score	41
Exons	612..710, 613..654, 678..896, 755..826, 766..882		

Seq. No.	46218	Seq. ID	OJ000316_33.0410.C48
Gene No.	98022	Strand	+
Start	203	End	370
Name	OJ000316_33.0410.C48.o1.gs	Method	GENSCAN
Start	203	End	370
GI	none	Score	.71
Exons	203..370		

Seq. No.	46218	Seq. ID	OJ000316_33.0410.C48
Gene No.	98023	Strand	+
Start	1104	End	2145
Name	OJ000316_33.0410.C48.o1.gp	Method	AAT/GAP
Start	1104	End	2145
GI	7062_2.R1084	Score	1092
Exons	1104..1178, 1324..1371, 1470..1694, 1875..2145		
GI Descrip.	'4581181/gb|AAD24664.1|AC006220_20 1.0e-31 (AC006220) unknown protein [Arabidopsis thaliana]'		

Seq. No.	46218	Seq. ID	OJ000316_33.0410.C48
Gene No.	98023	Strand	+
Start	1104	End	2145
Name	OJ000316_33.0410.C48.o1.np	Method	AAT/NAP
Start	1995	End	2145
GI	7263610	Score	90
Exons	1995..2145		
GI Descrip.	(AL138664) putative protein [Arabidopsis thaliana]		

Seq. No.	46218	Seq. ID	OJ000316_33.0410.C48
Gene No.	98024	Strand	-
Start	1116	End	2145
Name	OJ000316_33.0410.C48.o2.gs	Method	GENSCAN
Start	1116	End	2118
GI	none	Score	.83
Exons	1116..1149, 1946..2118		

Seq. No.	46218	Seq. ID	OJ000316_33.0410.C48

Gene No.	98024	Strand	-
Start	1116	End	2145
Name	OJ000316_33.0410.C48.o1.tm	Method	TBLASTX:Maize
Start	1925	End	2145
GI	none	Score	69
Exons	1925..1975, 1939..1974, 1981..2142, 1999..2145, 2088..2144		

Seq. No.	46219	Seq. ID	OJ000316_33.0410.C49
Gene No.	98025	Strand	+
Start	1	End	1076
Name	OJ000316_33.0410.C49.o1.np	Method	AAT/NAP
Start	1	End	1076
GI	4680492	Score	513
Exons	1..110, 523..1076		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	46219	Seq. ID	OJ000316_33.0410.C49
Gene No.	98026	Strand	-
Start	1072	End	1191
Name	OJ000316_33.0410.C49.o1.gs	Method	GENSCAN
Start	1072	End	1191
GI	none	Score	.86
Exons	1072..1191		

Seq. No.	46220	Seq. ID	OJ000316_33.0410.C50
Gene No.	98027	Strand	-
Start	785	End	1970
Name	OJ000316_33.0410.C50.o1.np	Method	AAT/NAP
Start	702	End	1970
GI	7488259	Score	719
Exons	702..892, 1070..1807, 1873..1970		
GI Descrip.	protein kinase homolog F4I18.11 - Arabidopsis thaliana gi|3386604|gb|AAC28534.1| (AC004665) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	46220	Seq. ID	OJ000316_33.0410.C50
Gene No.	98027	Strand	-
Start	785	End	1970
Name	OJ000316_33.0410.C50.o1.ts	Method	TBLASTX:Soybean
Start	714	End	1678
GI	none	Score	75
Exons	714..794, 803..895, 807..896, 1070..1114, 1157..1450, 1469..1678		

Seq. No.	46220	Seq. ID	OJ000316_33.0410.C50
Gene No.	98027	Strand	-
Start	785	End	1970
Name	OJ000316_33.0410.C50.o1.gs	Method	GENSCAN
Start	785	End	1822
GI	none	Score	.77
Exons	785..886, 1064..1822		

Seq. No.	46220	Seq. ID	OJ000316_33.0410.C50
Gene No.	98027	Strand	-
Start	785	End	1970
Name	OJ000316_33.0410.C50.o1.tm	Method	TBLASTX:Maize
Start	1067	End	1810
GI	none	Score	140

Exons	1067..1450, 1164..1376, 1234..1464, 1490..1810, 1506..1808		
Seq. No.	46220	Seq. ID	OJ000316_33.0410.C50
Gene No.	98027	Strand	-
Start	785	End	1970
Name	OJ000316_33.0410.C50.o1.tw	Method	TBLASTX:Wheat
Start	1511	End	1799
GI	none	Score	279
Exons	1511..1783, 1512..1784, 1512..1799		
Seq. No.	46220	Seq. ID	OJ000316_33.0410.C50
Gene No.	98027	Strand	-
Start	785	End	1970
Name	OJ000316_33.0410.C50.o1.tc	Method	TBLASTX:Cress
Start	1544	End	1816
GI	none	Score	95
Exons	1544..1816, 1545..1808		
Seq. No.	46221	Seq. ID	OJ000316_33.0410.C51
Gene No.	98028	Strand	-
Start	1	End	1427
Name	OJ000316_33.0410.C51.o1.np	Method	AAT/NAP
Start	1	End	1427
GI	6671947	Score	133
Exons	1..77, 745..857, 931..994, 1085..1192, 1279..1427		
GI Descrip.	(AC016795) putative ubiquitin carboxyl-terminal hydrolase [Arabidopsis thaliana]		
Seq. No.	46221	Seq. ID	OJ000316_33.0410.C51
Gene No.	98028	Strand	-
Start	1	End	1427
Name	OJ000316_33.0410.C51.o1.gs	Method	GENSCAN
Start	1171	End	1372
GI	none	Score	.57
Exons	1171..1372		
Seq. No.	46222	Seq. ID	OJ000316_33.0410.C53
Gene No.	98029	Strand	+
Start	1	End	612
Name	OJ000316_33.0410.C53.o2.np	Method	AAT/NAP
Start	1	End	612
GI	6069646	Score	303
Exons	1..612		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	46222	Seq. ID	OJ000316_33.0410.C53
Gene No.	98029	Strand	+
Start	1	End	612
Name	OJ000316_33.0410.C53.o1.tm	Method	TBLASTX:Maize
Start	31	End	582
GI	none	Score	303
Exons	31..582, 174..401		

Seq. No.	46223	Seq. ID	OJ000316_33.0410.C54
Gene No.	98030	Strand	-
Start	302	End	1332
Name	OJ000316_33.0410.C54.o1.gs	Method	GENSCAN
Start	302	End	1332
GI	none	Score	.62
Exons	302..442, 539..592, 1210..1332		

Seq. No.	46224	Seq. ID	OJ000316_33.0410.C55
Gene No.	98031	Strand	+
Start	599	End	875
Name	OJ000316_33.0410.C55.o1.np	Method	AAT/NAP
Start	599	End	875
GI	7438326	Score	231
Exons	599..875		
GI Descrip.	myb-related protein homolog T20D16.8 - Arabidopsis thaliana gi|2642435|gb|AAB87103.1| (AC002391) putative MYB family transcription factor [Arabidopsis thaliana]		

Seq. No.	46224	Seq. ID	OJ000316_33.0410.C55
Gene No.	98031	Strand	+
Start	599	End	875
Name	OJ000316_33.0410.C55.o1.ts	Method	TBLASTX:Soybean
Start	642	End	870
GI	none	Score	70
Exons	642..695, 642..692, 643..693, 693..857, 693..857, 703..861, 853..870, 854..868		

Seq. No.	46224	Seq. ID	OJ000316_33.0410.C55
Gene No.	98031	Strand	+
Start	599	End	875
Name	OJ000316_33.0410.C55.o1.tc	Method	TBLASTX:Cress
Start	643	End	870
GI	none	Score	43
Exons	643..693, 653..694, 693..857, 758..826, 853..870		

Seq. No.	46224	Seq. ID	OJ000316_33.0410.C55
Gene No.	98031	Strand	+
Start	599	End	875
Name	OJ000316_33.0410.C55.o1.tm	Method	TBLASTX:Maize
Start	646	End	872
GI	none	Score	53
Exons	646..693, 653..694, 693..857, 702..857, 703..861, 852..872, 854..871		

Seq. No.	46225	Seq. ID	OJ000316_33.0410.C57
Gene No.	98032	Strand	-
Start	1	End	377
Name	OJ000316_33.0410.C57.o1.np	Method	AAT/NAP
Start	1	End	377
GI	1346396	Score	280
Exons	1..377		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase		

[Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]

Seq. No.	46225	Seq. ID	OJ000316_33.0410.C57
Gene No.	98032	Strand	-
Start	1	End	377
Name	OJ000316_33.0410.C57.o1.gs	Method	GENSCAN
Start	40	End	365
GI	none	Score	.45
Exons	40..103, 169..365		

Seq. No.	46226	Seq. ID	OJ000316_24.0410.C1
Gene No.	98033	Strand	+
Start	702	End	844
Name	OJ000316_24.0410.C1.o1.gp	Method	AAT/GAP
Start	702	End	844
GI	none	Score	262
Exons	702..844		

Seq. No.	46226	Seq. ID	OJ000316_24.0410.C1
Gene No.	98033	Strand	+
Start	702	End	844
Name	OJ000316_24.0410.C1.o1.gs	Method	GENSCAN
Start	717	End	741
GI	none	Score	.56
Exons	717..741		

Seq. No.	46227	Seq. ID	OJ000316_24.0410.C2
Gene No.	98034	Strand	+
Start	1410	End	1696
Name	OJ000316_24.0410.C2.o1.gs	Method	GENSCAN
Start	1410	End	1696
GI	none	Score	.76
Exons	1410..1696		

Seq. No.	46227	Seq. ID	OJ000316_24.0410.C2
Gene No.	98035	Strand	+
Start	5037	End	5135
Name	OJ000316_24.0410.C2.o1.gp	Method	AAT/GAP
Start	5037	End	5135
GI	none	Score	198
Exons	5037..5135		

Seq. No.	46227	Seq. ID	OJ000316_24.0410.C2
Gene No.	98036	Strand	-
Start	2761	End	5026
Name	OJ000316_24.0410.C2.o2.gs	Method	GENSCAN
Start	2761	End	5026
GI	none	Score	.68
Exons	2761..2851, 3224..3472, 4761..5026		

Seq. No.	46228	Seq. ID	OJ000316_24.0410.C3
Gene No.	98037	Strand	+
Start	1	End	972
Name	OJ000316_24.0410.C3.o1.np	Method	AAT/NAP
Start	1	End	720
GI	1352681	Score	631

Exons	1..720		
GI Descrip.	PROTEIN PHOSPHATASE 2C (PP2C) gi|1076391|pir||S55457 phosphoprotein phosphatase (EC 3.1.3.16) 2C - Arabidopsis thaliana gi|633028|dbj|BAA07287| (D38109) protein phosphatase 2C [Arabidopsis thaliana] gi|6006880|gb|AAF00655.1|AC008153_7 (AC008153) protein phosphatase 2C (PP2C) [Arabidopsis thaliana]		
Seq. No.	46228	Seq. ID	OJ000316_24.0410.C3
Gene No.	98037	Strand	+
Start	1	End	972
Name	OJ000316_24.0410.C3.o1.gs	Method	GENSCAN
Start	52	End	711
GI	none	Score	.79
Exons	52..711		
Seq. No.	46228	Seq. ID	OJ000316_24.0410.C3
Gene No.	98037	Strand	+
Start	1	End	972
Name	OJ000316_24.0410.C3.o2.gp	Method	AAT/GAP
Start	479	End	972
GI	61499_1.R1084	Score	913
Exons	479..972		
GI Descrip.	'3980397 5.0e-17 (AC004561) putative protein phosphatase 2C [Arabidopsis thaliana]'		
Seq. No.	46228	Seq. ID	OJ000316_24.0410.C3
Gene No.	98038	Strand	+
Start	2721	End	5045
Name	OJ000316_24.0410.C3.o2.gs	Method	GENSCAN
Start	2721	End	5045
GI	none	Score	.6
Exons	2721..3055, 3111..3357, 3451..3611, 4871..5045		
Seq. No.	46228	Seq. ID	OJ000316_24.0410.C3
Gene No.	98038	Strand	+
Start	2721	End	5045
Name	OJ000316_24.0410.C3.o2.np	Method	AAT/NAP
Start	2730	End	4978
GI	7434307	Score	121
Exons	2730..2843, 2871..3138, 4907..4978		
GI Descrip.	hypothetical protein F25G13.90 - Arabidopsis thaliana gi|5123941|emb|CAB45499.1| (AL079349) putative protein [Arabidopsis thaliana] gi|7268002|emb|CAB78342.1| (AL161535) putative protein [Arabidopsis thaliana]		
Seq. No.	46228	Seq. ID	OJ000316_24.0410.C3
Gene No.	98039	Strand	-
Start	1	End	843
Name	OJ000316_24.0410.C3.o1.gp	Method	AAT/GAP
Start	1	End	366
GI	uC-osroM202030f09a1	Score	716
Exons	1..366		
GI Descrip.	'3980397 9.0e-34 (AC004561) putative protein phosphatase 2C [Arabidopsis thaliana]'		
Seq. No.	46228	Seq. ID	OJ000316_24.0410.C3
Gene No.	98039	Strand	-

Start	1	End	843
Name	OJ000316_24.0410.C3.o1.tc	Method	TBLASTX:Cress
Start	1	End	843
GI	none	Score	52
Exons	1..42, 97..144, 157..192, 175..588, 195..296, 346..543, 363..641, 597..689, 607..696, 745..843		

Seq. No.	46228	Seq. ID	OJ000316_24.0410.C3
Gene No.	98039	Strand	-
Start	1	End	843
Name	OJ000316_24.0410.C3.o1.ts	Method	TBLASTX:Soybean
Start	166	End	696
GI	none	Score	451
Exons	166..588, 204..296, 355..540, 366..584, 591..689, 592..696		

Seq. No.	46228	Seq. ID	OJ000316_24.0410.C3
Gene No.	98039	Strand	-
Start	1	End	843
Name	OJ000316_24.0410.C3.o1.tm	Method	TBLASTX:Maize
Start	259	End	588
GI	none	Score	457
Exons	259..588, 264..587		

Seq. No.	46228	Seq. ID	OJ000316_24.0410.C3
Gene No.	98039	Strand	-
Start	1	End	843
Name	OJ000316_24.0410.C3.o1.tw	Method	TBLASTX:Wheat
Start	259	End	588
GI	none	Score	470
Exons	259..588, 264..587		

Seq. No.	46229	Seq. ID	OJ000316_24.0410.C4
Gene No.	98040	Strand	+
Start	11	End	243
Name	OJ000316_24.0410.C4.o1.gs	Method	GENSCAN
Start	11	End	243
GI	none	Score	.87
Exons	11..62, 128..243		

Seq. No.	46229	Seq. ID	OJ000316_24.0410.C4
Gene No.	98041	Strand	-
Start	874	End	2968
Name	OJ000316_24.0410.C4.o2.gs	Method	GENSCAN
Start	874	End	2968
GI	none	Score	.48
Exons	874..928, 1882..2057, 2861..2968		

Seq. No.	46230	Seq. ID	OJ000316_24.0410.C5
Gene No.	98042	Strand	-
Start	331	End	5787
Name	OJ000316_24.0410.C5.o2.np	Method	AAT/NAP
Start	331	End	5787
GI	5734709	Score	476
Exons	331..450, 544..888, 1145..1680, 2722..3206, 3402..3788, 5562..5787		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	46230	Seq. ID	OJ000316_24.0410.C5
Gene No.	98042	Strand	-
Start	331	End	5787
Name	OJ000316_24.0410.C5.o3.tm	Method	TBLASTX:Maize
Start	464	End	815
GI	none	Score	282
Exons	464..514, 564..809, 567..815, 569..814		

Seq. No.	46230	Seq. ID	OJ000316_24.0410.C5
Gene No.	98042	Strand	-
Start	331	End	5787
Name	OJ000316_24.0410.C5.o1.np	Method	AAT/NAP
Start	494	End	3647
GI	6560764	Score	2136
Exons	494..888, 1145..3647		
GI Descrip.	(AC010155) F3M18.12 [Arabidopsis thaliana]		

Seq. No.	46230	Seq. ID	OJ000316_24.0410.C5
Gene No.	98042	Strand	-
Start	331	End	5787
Name	OJ000316_24.0410.C5.o1.gs	Method	GENSCAN
Start	533	End	3692
GI	none	Score	.99
Exons	533..888, 1145..3692		

Seq. No.	46230	Seq. ID	OJ000316_24.0410.C5
Gene No.	98042	Strand	-
Start	331	End	5787
Name	OJ000316_24.0410.C5.o1.ts	Method	TBLASTX:Soybean
Start	578	End	3404
GI	none	Score	85
Exons	578..754, 797..889, 801..890, 819..890, 1147..1185, 1149..1184, 1197..1535, 1198..1317, 1396..1530, 1569..1730, 1615..1722, 1947..2183, 1956..2363, 1956..2183, 1956..2411, 1956..2183, 2031..2213, 2046..2177, 2097..2177, 2161..2340, 2172..2579, 2173..2412, 2242..2406, 2244..2705, 2244..2699, 2244..2651, 2280..2378, 2316..2699, 2391..2711, 2397..2708, 2419..2688, 2529..2699, 2749..2979, 2766..3236, 2766..3230, 2811..3116, 2818..3048, 2973..3047, 3027..3113, 3036..3152, 3105..3404, 3123..3230, 3246..3404, 3246..3377, 3246..3404, 3258..3404		

Seq. No.	46230	Seq. ID	OJ000316_24.0410.C5
Gene No.	98042	Strand	-
Start	331	End	5787
Name	OJ000316_24.0410.C5.o1.tc	Method	TBLASTX:Cress
Start	582	End	3404
GI	none	Score	190
Exons	582..890, 584..907, 1146..1193, 1147..1194, 1209..1376, 1213..1368, 1244..1372, 1377..1535, 1389..1541, 1402..1614, 1602..1709, 1603..1713, 1890..2003, 1900..1923, 1953..2183, 1956..2156, 1956..2180, 1956..2651, 1977..2156, 2004..2183, 2004..2321, 2005..2061, 2028..2183, 2040..2177, 2100..2147, 2116..2688, 2152..2319, 2227..2640, 2241..2450, 2244..2708, 2244..2699, 2244..2567, 2244..2459, 2244..2699, 2245..2571, 2298..2699, 2391..3152, 2460..2687, 2547..2708, 2758..3030, 2781..3008, 2806..3024, 2811..3245, 2811..3113, 2818..2979,		

3031..3216, 3246..3404, 3246..3404, 3246..3389, 3255..3404, 3258..3404, 3258..3404, 3261..3404

Seq. No.	46230	Seq. ID	OJ000316_24.0410.C5
Gene No.	98042	Strand	-
Start	331	End	5787
Name	OJ000316_24.0410.C5.o1.tm	Method	TBLASTX:Maize
Start	815	End	1754
GI	none	Score	73
Exons	815..889, 816..890, 1147..1185, 1155..1529, 1207..1524, 1605..1754, 1614..1721, 1615..1740		

Seq. No.	46230	Seq. ID	OJ000316_24.0410.C5
Gene No.	98042	Strand	-
Start	331	End	5787
Name	OJ000316_24.0410.C5.o1.tw	Method	TBLASTX:Wheat
Start	1236	End	1543
GI	none	Score	226
Exons	1236..1535, 1237..1533, 1242..1535, 1262..1543		

Seq. No.	46230	Seq. ID	OJ000316_24.0410.C5
Gene No.	98042	Strand	-
Start	331	End	5787
Name	OJ000316_24.0410.C5.o2.tm	Method	TBLASTX:Maize
Start	1911	End	3404
GI	none	Score	64
Exons	1911..2426, 1956..2069, 2010..2285, 2097..2354, 2116..2211, 2236..2427, 2241..2492, 2244..2483, 2244..2429, 2244..2648, 2298..2591, 2391..2699, 2391..2642, 2391..2708, 2443..2928, 2446..2643, 2452..2646, 2455..2592, 2468..2542, 2529..2711, 2529..2702, 2665..2688, 2765..2830, 2766..2975, 2766..2930, 2769..3152, 2790..3068, 2811..3083, 2817..2975, 2829..3101, 2974..3051, 3036..3116, 3123..3233, 3123..3245, 3123..3230, 3243..3404, 3246..3374, 3246..3368, 3258..3404, 3258..3404, 3271..3342, 3328..3354		

Seq. No.	46231	Seq. ID	OJ000316_24.0410.C6
Gene No.	98043	Strand	+
Start	5187	End	7440
Name	OJ000316_24.0410.C6.o1.gs	Method	GENSCAN
Start	5187	End	5899
GI	none	Score	.73
Exons	5187..5256, 5544..5899		

Seq. No.	46231	Seq. ID	OJ000316_24.0410.C6
Gene No.	98043	Strand	+
Start	5187	End	7440
Name	OJ000316_24.0410.C6.o4.np	Method	AAT/NAP
Start	5569	End	7440
GI	5922620	Score	317
Exons	5569..5610, 5648..5758, 6029..6053, 6873..6943, 7042..7321, 7358..7440		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46231	Seq. ID	OJ000316_24.0410.C6
Gene No.	98044	Strand	-
Start	2605	End	5296
Name	OJ000316_24.0410.C6.o2.np	Method	AAT/NAP
Start	2605	End	5296
GI	6539570	Score	149
Exons	2605..2632, 4872..4931, 5102..5296		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	46231	Seq. ID	OJ000316_24.0410.C6
Gene No.	98045	Strand	-
Start	5431	End	5508
Name	OJ000316_24.0410.C6.o3.np	Method	AAT/NAP
Start	5431	End	5508
GI	6630699	Score	84
Exons	5431..5508		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	46232	Seq. ID	OJ000316_24.0410.C7
Gene No.	98046	Strand	+
Start	954	End	1376
Name	OJ000316_24.0410.C7.o1.gp	Method	AAT/GAP
Start	954	End	1376
GI	LIB3479-006-Q6-K1-B11	Score	593
Exons	954..1376		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	46232	Seq. ID	OJ000316_24.0410.C7
Gene No.	98047	Strand	-
Start	727	End	1168
Name	OJ000316_24.0410.C7.o1.np	Method	AAT/NAP
Start	727	End	1168
GI	6539570	Score	153
Exons	727..785, 953..1168		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	46232	Seq. ID	OJ000316_24.0410.C7
Gene No.	98048	Strand	-
Start	1294	End	1371
Name	OJ000316_24.0410.C7.o2.np	Method	AAT/NAP
Start	1294	End	1371
GI	6630699	Score	80
Exons	1294..1371		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	46233	Seq. ID	OJ000316_24.0410.C8
Gene No.	98049	Strand	+
Start	754	End	2816
Name	OJ000316_24.0410.C8.o1.gs	Method	GENSCAN
Start	754	End	1042
GI	none	Score	.6

Exons	754..858, 878..1042		
Seq. No.	46233	Seq. ID	OJ000316_24.0410.C8
Gene No.	98049	Strand	+
Start	754	End	2816
Name	OJ000316_24.0410.C8.o2.np	Method	AAT/NAP
Start	754	End	2816
GI	6721561	Score	84
Exons	754..860, 2787..2816		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	46233	Seq. ID	OJ000316_24.0410.C8
Gene No.	98050	Strand	-
Start	632	End	4682
Name	OJ000316_24.0410.C8.o1.np	Method	AAT/NAP
Start	632	End	4682
GI	4680183	Score	129
Exons	632..793, 4635..4682		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	46234	Seq. ID	OJ000316_24.0410.C10
Gene No.	98051	Strand	+
Start	200	End	318
Name	OJ000316_24.0410.C10.o1.np	Method	AAT/NAP
Start	200	End	318
GI	5852093	Score	57
Exons	200..318		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	46234	Seq. ID	OJ000316_24.0410.C10
Gene No.	98052	Strand	+
Start	1644	End	1929
Name	OJ000316_24.0410.C10.o1.gs	Method	GENSCAN
Start	1644	End	1929
GI	none	Score	.93
Exons	1644..1929		
Seq. No.	46235	Seq. ID	OJ000316_24.0410.C11
Gene No.	98053	Strand	+
Start	3357	End	9010
Name	OJ000316_24.0410.C11.o1.np	Method	AAT/NAP
Start	3357	End	6490
GI	7340868	Score	68
Exons	3357..3396, 5140..5272, 6469..6490		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		
Seq. No.	46235	Seq. ID	OJ000316_24.0410.C11
Gene No.	98053	Strand	+
Start	3357	End	9010
Name	OJ000316_24.0410.C11.o2.np	Method	AAT/NAP
Start	5484	End	9010
GI	6721516	Score	435
Exons	5484..5541, 7264..7522, 7922..8256, 8840..9010		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	46235	Seq. ID	OJ000316_24.0410.C11
Gene No.	98054	Strand	-
Start	207	End	9921
Name	OJ000316_24.0410.C11.o1.gs	Method	GENSCAN
Start	207	End	9921
GI	none	Score	.48
Exons	207..312, 787..930, 5030..5108, 5842..5991, 6138..6219, 6583..6663, 7474..7606, 8057..8141, 9310..9426, 9769..9921		

Seq. No.	46236	Seq. ID	OJ000316_24.0410.C12
Gene No.	98055	Strand	+
Start	279	End	5293
Name	OJ000316_24.0410.C12.o1.gp	Method	AAT/GAP
Start	279	End	1502
GI	uC-osroM202001e08b1	Score	644
Exons	279..323, 415..621, 704..804, 1382..1502		
GI Descrip.	'4512653/gb|AAD21708.1| 1.0e-24 (AC007048) unknown protein [Arabidopsis thaliana]'		

Seq. No.	46236	Seq. ID	OJ000316_24.0410.C12
Gene No.	98055	Strand	+
Start	279	End	5293
Name	OJ000316_24.0410.C12.o1.gs	Method	GENSCAN
Start	511	End	5281
GI	none	Score	.9
Exons	511..621, 704..804, 1382..1502, 1876..1943, 2478..2520, 3006..3071, 3226..3264, 3381..3463, 3566..3677, 3987..4145, 4252..4359, 4365..4529, 4620..4760, 4862..4966, 5060..5281		

Seq. No.	46236	Seq. ID	OJ000316_24.0410.C12
Gene No.	98055	Strand	+
Start	279	End	5293
Name	OJ000316_24.0410.C12.o1.np	Method	AAT/NAP
Start	511	End	5293
GI	7485895	Score	1453
Exons	511..621, 704..804, 1382..1502, 1588..1696, 1848..1943, 2478..2520, 3006..3071, 3226..3264, 3381..3463, 3566..3681, 3763..3837, 3987..4145, 4252..4359, 4425..4577, 4618..4760, 4862..4975, 5069..5293		
GI Descrip.	hypothetical protein F20O9.150 - Arabidopsis thaliana gi|2842489|emb|CAA16886.1| (AL021749) putative protein [Arabidopsis thaliana] gi|7269701|emb|CAB79649.1| (AL161572) putative protein [Arabidopsis thaliana]		

Seq. No.	46236	Seq. ID	OJ000316_24.0410.C12
Gene No.	98055	Strand	+
Start	279	End	5293
Name	OJ000316_24.0410.C12.o1.ts	Method	TBLASTX:Soybean
Start	704	End	5292
GI	none	Score	130
Exons	704..805, 1376..1501, 1380..1502, 1380..1502, 1582..1623, 1623..1649, 1626..1646, 1873..1944, 2476..2520, 3003..3083, 3208..3267, 3225..3287, 3380..3466, 3381..3467, 3558..3674, 3563..3670, 3765..3815, 4026..4169, 4061..4156, 4249..4359, 4255..4359, 4257..4364, 4415..4531, 4422..4535, 4424..4534,		

4425..4535, 4616..4753, 4619..4759, 4620..4760, 4912..4959, 5021..5281, 5041..5292, 5042..5281, 5110..5283

Seq. No.	46236	Seq. ID	OJ000316_24.0410.C12
Gene No.	98055	Strand	+
Start	279	End	5293
Name	OJ000316_24.0410.C12.o2.gp	Method	AAT/GAP
Start	4481	End	4944
GI	uC-osflm202111a10b1	Score	494
Exons	4481..4529, 4620..4760, 4862..4944		
GI Descrip.	'4512653/gb|AAD21708.1| 2.0e-32 (AC007048) unknown protein [Arabidopsis thaliana]'		

Seq. No.	46236	Seq. ID	OJ000316_24.0410.C12
Gene No.	98055	Strand	+
Start	279	End	5293
Name	OJ000316_24.0410.C12.o1.tc	Method	TBLASTX:Cress
Start	4661	End	5221
GI	none	Score	145
Exons	4661..4765, 4662..4760, 4903..4962, 5042..5221, 5089..5220		

Seq. No.	46236	Seq. ID	OJ000316_24.0410.C12
Gene No.	98055	Strand	+
Start	279	End	5293
Name	OJ000316_24.0410.C12.o1.tm	Method	TBLASTX:Maize
Start	4864	End	5292
GI	none	Score	103
Exons	4864..4962, 4865..4972, 5041..5121, 5042..5131, 5113..5292, 5126..5281, 5128..5283		

Seq. No.	46237	Seq. ID	OJ000316_24.0410.C13
Gene No.	98056	Strand	+
Start	1005	End	2976
Name	OJ000316_24.0410.C13.o1.np	Method	AAT/NAP
Start	1005	End	2822
GI	4512653	Score	1131
Exons	1005..1126, 1226..1441, 1769..1828, 1909..2022, 2131..2216, 2300..2408, 2495..2673, 2753..2822		
GI Descrip.	(AC007048) 26S proteasome regulatory subunit S2 [Arabidopsis thaliana]		

Seq. No.	46237	Seq. ID	OJ000316_24.0410.C13
Gene No.	98056	Strand	+
Start	1005	End	2976
Name	OJ000316_24.0410.C13.o1.gp	Method	AAT/GAP
Start	1010	End	1285
GI	LIB3474-008-P1-K1-E3	Score	274
Exons	1010..1126, 1226..1285		
GI Descrip.	'4512653/gb|AAD21708.1| 2.0e-39 (AC007048) unknown protein [Arabidopsis thaliana]'		

Seq. No.	46237	Seq. ID	OJ000316_24.0410.C13
Gene No.	98056	Strand	+
Start	1005	End	2976
Name	OJ000316_24.0410.C13.o1.gs	Method	GENSCAN
Start	1013	End	2825
GI	none	Score	.88

Exons	1013..1126, 1226..1441, 1769..1828, 2131..2216, 2300..2408, 2495..2673, 2753..2825		
Seq. No.	46237	Seq. ID	OJ000316_24.0410.C13
Gene No.	98056	Strand	+
Start	1005	End	2976
Name	OJ000316_24.0410.C13.o2.gp	Method	AAT/GAP
Start	1344	End	2379
GI	21459_1.R1084	Score	768
Exons	1344..1441, 1769..1828, 1909..2022, 2131..2216, 2300..2379		
GI Descrip.	'4512653/gb|AAD21708.1| 1.0e-100 (AC007048) unknown protein [Arabidopsis thaliana]'		
Seq. No.	46237	Seq. ID	OJ000316_24.0410.C13
Gene No.	98056	Strand	+
Start	1005	End	2976
Name	OJ000316_24.0410.C13.o4.gp	Method	AAT/GAP
Start	1700	End	2786
GI	21459_1.R1084	Score	972
Exons	1700..1828, 1909..2022, 2131..2216, 2300..2408, 2495..2673, 2753..2786		
GI Descrip.	'4512653/gb|AAD21708.1| 1.0e-100 (AC007048) unknown protein [Arabidopsis thaliana]'		
Seq. No.	46237	Seq. ID	OJ000316_24.0410.C13
Gene No.	98056	Strand	+
Start	1005	End	2976
Name	OJ000316_24.0410.C13.o3.gp	Method	AAT/GAP
Start	1756	End	2706
GI	21459_1.R1084	Score	913
Exons	1756..1828, 1909..2022, 2131..2216, 2300..2408, 2495..2706		
GI Descrip.	'4512653/gb|AAD21708.1| 1.0e-100 (AC007048) unknown protein [Arabidopsis thaliana]'		
Seq. No.	46237	Seq. ID	OJ000316_24.0410.C13
Gene No.	98056	Strand	+
Start	1005	End	2976
Name	OJ000316_24.0410.C13.o5.gp	Method	AAT/GAP
Start	1808	End	2894
GI	21459_1.R1084	Score	1016
Exons	1808..1828, 1909..2022, 2131..2216, 2300..2408, 2495..2673, 2753..2825, 2859..2894		
GI Descrip.	'4512653/gb|AAD21708.1| 1.0e-100 (AC007048) unknown protein [Arabidopsis thaliana]'		
Seq. No.	46237	Seq. ID	OJ000316_24.0410.C13
Gene No.	98056	Strand	+
Start	1005	End	2976
Name	OJ000316_24.0410.C13.o6.gp	Method	AAT/GAP
Start	2351	End	2976
GI	21459_2.R1084	Score	800
Exons	2351..2408, 2495..2673, 2753..2976		
GI Descrip.	'4512653/gb|AAD21708.1| 5.0e-30 (AC007048) unknown protein [Arabidopsis thaliana]'		
Seq. No.	46237	Seq. ID	OJ000316_24.0410.C13
Gene No.	98057	Strand	+

Start	3982	End	4078
Name	OJ000316_24.0410.C13.o7.gp	Method	AAT/GAP
Start	3982	End	4078
GI	none	Score	173
Exons	3982..4078		

Seq. No.	46237	Seq. ID	OJ000316_24.0410.C13
Gene No.	98058	Strand	-
Start	3825	End	4283
Name	OJ000316_24.0410.C13.o1.ts	Method	TBLASTX:Soybean
Start	1009	End	2825
GI	none	Score	47
Exons	1009..1110, 1010..1129, 1012..1128, 1216..1443, 1220..1444, 1225..1461, 1768..1827, 1769..1834, 1908..2024, 1909..2025, 2104..2217, 2130..2216, 2135..2221, 2285..2428, 2304..2408, 2463..2672, 2483..2674, 2492..2680, 2494..2679, 2744..2809, 2751..2825, 2769..2822		

Seq. No.	46237	Seq. ID	OJ000316_24.0410.C13
Gene No.	98058	Strand	-
Start	3825	End	4283
Name	OJ000316_24.0410.C13.o1.tm	Method	TBLASTX:Maize
Start	1074	End	2825
GI	none	Score	69
Exons	1074..1127, 1074..1127, 1075..1128, 1076..1129, 1220..1444, 1224..1289, 1225..1443, 1317..1445, 1688..1831, 1768..1836, 1769..1834, 1904..2023, 1908..2024, 1908..2027, 1909..2025, 2125..2217, 2130..2216, 2138..2218, 2150..2236, 2292..2408, 2292..2408, 2300..2428, 2474..2674, 2482..2538, 2492..2683, 2744..2821, 2751..2825		

Seq. No.	46237	Seq. ID	OJ000316_24.0410.C13
Gene No.	98058	Strand	-
Start	3825	End	4283
Name	OJ000316_24.0410.C13.o1.tc	Method	TBLASTX:Cress
Start	1235	End	2849
GI	none	Score	271
Exons	1235..1453, 1252..1443, 1766..1828, 1767..1829, 1768..1836, 1769..1834, 1907..1999, 1908..2024, 1909..2025, 1912..2025, 2104..2217, 2124..2216, 2300..2416, 2304..2408, 2468..2695, 2483..2674, 2493..2684, 2751..2849		

Seq. No.	46237	Seq. ID	OJ000316_24.0410.C13
Gene No.	98058	Strand	-
Start	3825	End	4283
Name	OJ000316_24.0410.C13.o2.gs	Method	GENSCAN
Start	3825	End	4283
GI	none	Score	.89
Exons	3825..4283		

Seq. No.	46238	Seq. ID	OJ000316_24.0410.C15
Gene No.	98059	Strand	+
Start	3092	End	3636
Name	OJ000316_24.0410.C15.o1.gs	Method	GENSCAN
Start	3092	End	3636
GI	none	Score	.84
Exons	3092..3295, 3367..3636		

Seq. No.	46239	Seq. ID	OJ000316_24.0410.C17
Gene No.	98060	Strand	+
Start	1673	End	1976
Name	OJ000316_24.0410.C17.o2.gp	Method	AAT/GAP
Start	1673	End	1976
GI	427610	Score	412
Exons	1673..1883, 1923..1976		
GI Descrip.	5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	46239	Seq. ID	OJ000316_24.0410.C17
Gene No.	98061	Strand	-
Start	527	End	5125
Name	OJ000316_24.0410.C17.o1.gs	Method	GENSCAN
Start	527	End	5125
GI	none	Score	.5
Exons	527..692, 1706..1957, 2003..2087, 2186..2453, 3881..4531, 4553..5125		

Seq. No.	46239	Seq. ID	OJ000316_24.0410.C17
Gene No.	98061	Strand	-
Start	527	End	5125
Name	OJ000316_24.0410.C17.o1.np	Method	AAT/NAP
Start	1782	End	1957
GI	5852172	Score	126
Exons	1782..1871, 1911..1957		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	46239	Seq. ID	OJ000316_24.0410.C17
Gene No.	98062	Strand	-
Start	5847	End	9674
Name	OJ000316_24.0410.C17.o2.gs	Method	GENSCAN
Start	5847	End	8757
GI	none	Score	.6
Exons	5847..6018, 7269..7384, 8608..8757		

Seq. No.	46239	Seq. ID	OJ000316_24.0410.C17
Gene No.	98062	Strand	-
Start	5847	End	9674
Name	OJ000316_24.0410.C17.o2.np	Method	AAT/NAP
Start	7271	End	9674
GI	5042463	Score	200
Exons	7271..7384, 7436..7591, 8253..8445, 9654..9674		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	46240	Seq. ID	OJ000316_24.0410.C20
Gene No.	98063	Strand	+
Start	1	End	1347
Name	OJ000316_24.0410.C20.o1.np	Method	AAT/NAP
Start	1	End	1332
GI	6175140	Score	664
Exons	1..31, 359..481, 660..803, 892..1332		
GI Descrip.	(AC010796) unknown protein [Arabidopsis thaliana]		

Seq. No.	46240	Seq. ID	OJ000316_24.0410.C20
Gene No.	98063	Strand	+

Start	1	End	1347
Name	OJ000316_24.0410.C20.o1.gs	Method	GENSCAN
Start	359	End	1347
GI	none	Score	.49
Exons	359..481, 892..1347		

Seq. No.	46240	Seq. ID	OJ000316_24.0410.C20
Gene No.	98064	Strand	-
Start	2090	End	2692
Name	OJ000316_24.0410.C20.o2.tm	Method	TBLASTX:Maize
Start	5	End	725
GI	none	Score	56
Exons	5..40, 353..496, 358..489, 369..491, 651..725, 651..725		

Seq. No.	46240	Seq. ID	OJ000316_24.0410.C20
Gene No.	98064	Strand	-
Start	2090	End	2692
Name	OJ000316_24.0410.C20.o1.ts	Method	TBLASTX:Soybean
Start	735	End	1335
GI	5509571	Score	77
Exons	735..809, 737..793, 894..929, 925..1188, 927..1049, 929..1174, 1105..1188, 1252..1335		
GI Descrip.	2129655/pir__S71212 3.0e-33 OBP32pep protein - Arabidopsis thaliana (fragment) >gi_1022799 (U37698) OBP32pep [Arabidopsis thaliana]		

Seq. No.	46240	Seq. ID	OJ000316_24.0410.C20
Gene No.	98064	Strand	-
Start	2090	End	2692
Name	OJ000316_24.0410.C20.o1.tm	Method	TBLASTX:Maize
Start	1041	End	1290
GI	none	Score	144
Exons	1041..1184, 1042..1290, 1042..1185		

Seq. No.	46240	Seq. ID	OJ000316_24.0410.C20
Gene No.	98064	Strand	-
Start	2090	End	2692
Name	OJ000316_24.0410.C20.o1.tc	Method	TBLASTX:Cress
Start	1042	End	1311
GI	none	Score	202
Exons	1042..1185, 1270..1311		

Seq. No.	46240	Seq. ID	OJ000316_24.0410.C20
Gene No.	98064	Strand	-
Start	2090	End	2692
Name	OJ000316_24.0410.C20.o2.gs	Method	GENSCAN
Start	2090	End	2692
GI	none	Score	.91
Exons	2090..2692		

Seq. No.	46241	Seq. ID	OJ000316_24.0410.C21
Gene No.	98065	Strand	+
Start	2742	End	3295
Name	OJ000316_24.0410.C21.o1.gp	Method	AAT/GAP
Start	2742	End	3295
GI	34683_1.R1084	Score	349
Exons	2742..2837, 2956..3075, 3265..3295		

GI Descrip.	'2501555/sp|Q40784|AAPC_PENCL 2.0e-13 POSSIBLE APOSPORY-ASSOCIATED PROTEIN C >gi_549984 (U13148) possible apospory-associated protein [Pennisetum ciliare]'		
Seq. No.	46241	Seq. ID	OJ000316_24.0410.C21
Gene No.	98065	Strand	+
Start	2742	End	3295
Name	OJ000316_24.0410.C21.o1.gs	Method	GENSCAN
Start	2755	End	3075
GI	none	Score	.87
Exons	2755..2837, 2956..3075		
Seq. No.	46241	Seq. ID	OJ000316_24.0410.C21
Gene No.	98065	Strand	+
Start	2742	End	3295
Name	OJ000316_24.0410.C21.o1.tm	Method	TBLASTX:Maize
Start	2968	End	3094
GI	none	Score	149
Exons	2968..3075, 2990..3073, 2994..3089, 3002..3094		
Seq. No.	46242	Seq. ID	OJ000316_24.0410.C22
Gene No.	98066	Strand	+
Start	1	End	1406
Name	OJ000316_24.0410.C22.o1.np	Method	AAT/NAP
Start	1	End	1270
GI	6970044	Score	162
Exons	1..47, 130..227, 739..846, 933..1017, 1149..1270		
GI Descrip.	(AF195243) apospory-associated protein C; APOC [Chlamydomonas reinhardtii]		
Seq. No.	46242	Seq. ID	OJ000316_24.0410.C22
Gene No.	98066	Strand	+
Start	1	End	1406
Name	OJ000316_24.0410.C22.o1.gs	Method	GENSCAN
Start	130	End	907
GI	none	Score	.45
Exons	130..227, 739..907		
Seq. No.	46242	Seq. ID	OJ000316_24.0410.C22
Gene No.	98066	Strand	+
Start	1	End	1406
Name	OJ000316_24.0410.C22.o1.gp	Method	AAT/GAP
Start	148	End	1406
GI	none	Score	964
Exons	148..227, 739..846, 933..1014, 1149..1406		
Seq. No.	46242	Seq. ID	OJ000316_24.0410.C22
Gene No.	98067	Strand	-
Start	2063	End	3103
Name	OJ000316_24.0410.C22.o2.tm	Method	TBLASTX:Maize
Start	2	End	1017
GI	none	Score	76
Exons	2..43, 3..50, 4..45, 129..227, 130..243, 131..244, 728..829, 729..830, 736..846, 737..868, 930..1007, 931..1017, 932..1006, 933..1010		
Seq. No.	46242	Seq. ID	OJ000316_24.0410.C22

Gene No.	98067	Strand	-
Start	2063	End	3103
Name	OJ000316_24.0410.C22.o2.ts	Method	TBLASTX:Soybean
Start	3	End	1017
GI	none	Score	54
Exons	3..56, 127..243, 129..227, 736..828, 736..840, 737..841, 924..1010, 933..1010, 937..1017		

Seq. No.	46242	Seq. ID	OJ000316_24.0410.C22
Gene No.	98067	Strand	-
Start	2063	End	3103
Name	OJ000316_24.0410.C22.o2.tc	Method	TBLASTX:Cress
Start	184	End	1017
GI	none	Score	73
Exons	184..243, 729..827, 735..827, 736..846, 746..868, 930..998, 931..1017, 932..994, 933..1016		

Seq. No.	46242	Seq. ID	OJ000316_24.0410.C22
Gene No.	98067	Strand	-
Start	2063	End	3103
Name	OJ000316_24.0410.C22.o2.gp	Method	AAT/GAP
Start	1931	End	2945
GI	12084_1.R1084	Score	1093
Exons	1931..2251, 2584..2751, 2843..2945		
GI Descrip.	'3786006 4.0e-51 (AC005499) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	46242	Seq. ID	OJ000316_24.0410.C22
Gene No.	98067	Strand	-
Start	2063	End	3103
Name	OJ000316_24.0410.C22.o1.tm	Method	TBLASTX:Maize
Start	2027	End	3079
GI	none	Score	52
Exons	2027..2083, 2084..2251, 2088..2252, 2094..2252, 2582..2668, 2584..2658, 2626..2754, 2639..2764, 2843..3079, 2844..3032, 2929..3066		

Seq. No.	46242	Seq. ID	OJ000316_24.0410.C22
Gene No.	98067	Strand	-
Start	2063	End	3103
Name	OJ000316_24.0410.C22.o2.gs	Method	GENSCAN
Start	2063	End	3076
GI	none	Score	.76
Exons	2063..2251, 2584..2751, 2843..3076		

Seq. No.	46242	Seq. ID	OJ000316_24.0410.C22
Gene No.	98067	Strand	-
Start	2063	End	3103
Name	OJ000316_24.0410.C22.o1.ts	Method	TBLASTX:Soybean
Start	2087	End	3037
GI	none	Score	157
Exons	2087..2242, 2091..2234, 2102..2245, 2582..2680, 2584..2715, 2584..2751, 2594..2755, 2835..3035, 2843..3037, 2844..3032, 2938..3036		

Seq. No.	46242	Seq. ID	OJ000316_24.0410.C22
Gene No.	98067	Strand	-

Start	2063	End	3103
Name	OJ000316_24.0410.C22.o2.np	Method	AAT/NAP
Start	2090	End	3103
GI	3786006	Score	637
Exons	2090..2251, 2584..2751, 2843..3103		
GI Descrip.	(AC005499) methylenetetrahydrofolate dehydrogenase [Arabidopsis thaliana]		

Seq. No.	46242	Seq. ID	OJ000316_24.0410.C22
Gene No.	98067	Strand	-
Start	2063	End	3103
Name	OJ000316_24.0410.C22.o1.tc	Method	TBLASTX:Cress
Start	2102	End	3088
GI	none	Score	128
Exons	2102..2233, 2106..2234, 2608..2754, 2615..2764, 2633..2761, 2843..3088, 2844..3032, 2948..3079		

Seq. No.	46243	Seq. ID	OJ000316_24.0410.C23
Gene No.	98068	Strand	-
Start	1	End	1571
Name	OJ000316_24.0410.C23.o1.np	Method	AAT/NAP
Start	1	End	1571
GI	3786006	Score	293
Exons	1..36, 183..511, 1409..1571		
GI Descrip.	(AC005499) methylenetetrahydrofolate dehydrogenase [Arabidopsis thaliana]		

Seq. No.	46243	Seq. ID	OJ000316_24.0410.C23
Gene No.	98068	Strand	-
Start	1	End	1571
Name	OJ000316_24.0410.C23.o1.tc	Method	TBLASTX:Cress
Start	181	End	503
GI	none	Score	147
Exons	181..498, 186..503		

Seq. No.	46243	Seq. ID	OJ000316_24.0410.C23
Gene No.	98068	Strand	-
Start	1	End	1571
Name	OJ000316_24.0410.C23.o1.tm	Method	TBLASTX:Maize
Start	187	End	525
GI	none	Score	197
Exons	187..525, 192..512		

Seq. No.	46243	Seq. ID	OJ000316_24.0410.C23
Gene No.	98068	Strand	-
Start	1	End	1571
Name	OJ000316_24.0410.C23.o1.gs	Method	GENSCAN
Start	192	End	1446
GI	none	Score	.94
Exons	192..511, 1173..1446		

Seq. No.	46243	Seq. ID	OJ000316_24.0410.C23
Gene No.	98068	Strand	-
Start	1	End	1571
Name	OJ000316_24.0410.C23.o1.ts	Method	TBLASTX:Soybean
Start	192	End	503
GI	none	Score	116

Exons	192..431, 192..503, 193..498		
Seq. No.	46244	Seq. ID	OJ000316_24.0410.C24
Gene No.	98069	Strand	+
Start	1	End	2571
Name	OJ000316_24.0410.C24.o1.np	Method	AAT/NAP
Start	1	End	2568
GI	4263522	Score	2367
Exons	1..1401, 1765..2568		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	46244	Seq. ID	OJ000316_24.0410.C24
Gene No.	98069	Strand	+
Start	1	End	2571
Name	OJ000316_24.0410.C24.o2.tm	Method	TBLASTX:Maize
Start	43	End	1365
GI	none	Score	138
Exons	43..342, 49..435, 69..227, 154..528, 235..621, 288..434, 291..629, 328..714, 372..713, 420..815, 421..807, 514..900, 558..908, 607..993, 607..969, 651..1001, 666..809, 700..1062, 752..904, 865..1062, 1195..1365, 1195..1365, 1207..1365, 1261..1308, 1287..1364		
Seq. No.	46244	Seq. ID	OJ000316_24.0410.C24
Gene No.	98069	Strand	+
Start	1	End	2571
Name	OJ000316_24.0410.C24.o2.tc	Method	TBLASTX:Cress
Start	73	End	1956
GI	none	Score	68
Exons	73..216, 298..519, 322..510, 343..612, 421..705, 513..761, 514..684, 514..783, 531..686, 603..875, 607..891, 628..816, 694..876, 700..981, 808..1062, 811..987, 853..969, 919..1062, 946..1062, 1084..1392, 1084..1365, 1086..1238, 1096..1173, 1150..1365, 1222..1314, 1240..1410, 1261..1365, 1765..1851, 1864..1956		
Seq. No.	46244	Seq. ID	OJ000316_24.0410.C24
Gene No.	98069	Strand	+
Start	1	End	2571
Name	OJ000316_24.0410.C24.o1.gs	Method	GENSCAN
Start	85	End	2442
GI	none	Score	.92
Exons	85..1030, 1217..1401, 1765..2442		
Seq. No.	46244	Seq. ID	OJ000316_24.0410.C24
Gene No.	98069	Strand	+
Start	1	End	2571
Name	OJ000316_24.0410.C24.o1.tw	Method	TBLASTX:Wheat
Start	90	End	1410
GI	none	Score	71
Exons	90..203, 298..402, 360..521, 388..510, 436..537, 453..575, 454..597, 525..629, 529..630, 547..681, 622..723, 640..789, 645..761, 706..816, 733..876, 754..876, 826..969, 848..1006, 919..1062, 973..1080, 1099..1305, 1222..1410		
Seq. No.	46244	Seq. ID	OJ000316_24.0410.C24
Gene No.	98069	Strand	+

Start	1	End	2571
Name	OJ000316_24.0410.C24.o3.ts	Method	TBLASTX:Soybean
Start	349	End	1412
GI	none	Score	80
Exons	349..522, 420..617, 421..615, 514..684, 628..801, 700..876, 808..987, 1000..1410, 1238..1270, 1287..1412		

Seq. No.	46244	Seq. ID	OJ000316_24.0410.C24
Gene No.	98069	Strand	+
Start	1	End	2571
Name	OJ000316_24.0410.C24.o3.tm	Method	TBLASTX:Maize
Start	1765	End	1977
GI	none	Score	202
Exons	1765..1977		

Seq. No.	46244	Seq. ID	OJ000316_24.0410.C24
Gene No.	98069	Strand	+
Start	1	End	2571
Name	OJ000316_24.0410.C24.o1.ts	Method	TBLASTX:Soybean
Start	1810	End	2346
GI	none	Score	445
Exons	1810..2346, 1845..2306		

Seq. No.	46244	Seq. ID	OJ000316_24.0410.C24
Gene No.	98069	Strand	+
Start	1	End	2571
Name	OJ000316_24.0410.C24.o1.tm	Method	TBLASTX:Maize
Start	1978	End	2526
GI	none	Score	441
Exons	1978..2526, 1980..2306, 2370..2477		

Seq. No.	46244	Seq. ID	OJ000316_24.0410.C24
Gene No.	98069	Strand	+
Start	1	End	2571
Name	OJ000316_24.0410.C24.o1.tc	Method	TBLASTX:Cress
Start	2040	End	2571
GI	none	Score	543
Exons	2040..2570, 2044..2571		

Seq. No.	46244	Seq. ID	OJ000316_24.0410.C24
Gene No.	98069	Strand	+
Start	1	End	2571
Name	OJ000316_24.0410.C24.o2.ts	Method	TBLASTX:Soybean
Start	2353	End	2571
GI	none	Score	292
Exons	2353..2571, 2361..2570		

Seq. No.	46245	Seq. ID	OJ000316_24.0410.C25
Gene No.	98070	Strand	+
Start	204	End	2100
Name	OJ000316_24.0410.C25.o1.gs	Method	GENSCAN
Start	204	End	2100
GI	none	Score	.79
Exons	204..227, 402..638, 1668..2100		

Seq. No.	46245	Seq. ID	OJ000316_24.0410.C25
Gene No.	98070	Strand	+

Start	204	End	2100
Name	OJ000316_24.0410.C25.o1.np	Method	AAT/NAP
Start	418	End	2097
GI	7438432	Score	983
Exons	418..638, 1668..2097		
GI Descrip.	GTP-binding protein - garden pea gi|303742|dbj|BAA02112.1| (D12544) GTP-binding protein [Pisum sativum] gi|738936|prf||2001457D GTP-binding protein [Pisum sativum]		

Seq. No.	46245	Seq. ID	OJ000316_24.0410.C25
Gene No.	98071	Strand	-
Start	3673	End	4552
Name	OJ000316_24.0410.C25.o1.tc	Method	TBLASTX:Cress
Start	414	End	2100
GI	none	Score	336
Exons	414..641, 415..639, 1659..1835, 1663..1989, 1665..2009, 1666..2010, 2052..2093, 2053..2100		

Seq. No.	46245	Seq. ID	OJ000316_24.0410.C25
Gene No.	98071	Strand	-
Start	3673	End	4552
Name	OJ000316_24.0410.C25.o2.tm	Method	TBLASTX:Maize
Start	417	End	641
GI	none	Score	371
Exons	417..641, 418..639, 597..641		

Seq. No.	46245	Seq. ID	OJ000316_24.0410.C25
Gene No.	98071	Strand	-
Start	3673	End	4552
Name	OJ000316_24.0410.C25.o2.tw	Method	TBLASTX:Wheat
Start	421	End	585
GI	none	Score	235
Exons	421..585, 453..572		

Seq. No.	46245	Seq. ID	OJ000316_24.0410.C25
Gene No.	98071	Strand	-
Start	3673	End	4552
Name	OJ000316_24.0410.C25.o1.ts	Method	TBLASTX:Soybean
Start	423	End	2137
GI	none	Score	350
Exons	423..641, 424..639, 1662..1841, 1665..2093, 1666..2106, 1678..2130, 1784..2137		

Seq. No.	46245	Seq. ID	OJ000316_24.0410.C25
Gene No.	98071	Strand	-
Start	3673	End	4552
Name	OJ000316_24.0410.C25.o1.tw	Method	TBLASTX:Wheat
Start	586	End	2078
GI	none	Score	56
Exons	586..639, 1665..1835, 1665..2078, 1666..2076		

Seq. No.	46245	Seq. ID	OJ000316_24.0410.C25
Gene No.	98071	Strand	-
Start	3673	End	4552
Name	OJ000316_24.0410.C25.o1.tm	Method	TBLASTX:Maize
Start	1701	End	2052
GI	none	Score	588

Exons	1701..2051, 1702..2052, 1705..2052		
Seq. No.	46245	Seq. ID	OJ000316_24.0410.C25
Gene No.	98071	Strand	-
Start	3673	End	4552
Name	OJ000316_24.0410.C25.o2.gs	Method	GENSCAN
Start	3673	End	4537
GI	none	Score	.89
Exons	3673..4308, 4391..4537		
Seq. No.	46245	Seq. ID	OJ000316_24.0410.C25
Gene No.	98071	Strand	-
Start	3673	End	4552
Name	OJ000316_24.0410.C25.o3.tm	Method	TBLASTX:Maize
Start	3793	End	3942
GI	none	Score	108
Exons	3793..3942, 3794..3907, 3826..3912		
Seq. No.	46245	Seq. ID	OJ000316_24.0410.C25
Gene No.	98071	Strand	-
Start	3673	End	4552
Name	OJ000316_24.0410.C25.o2.ts	Method	TBLASTX:Soybean
Start	3835	End	4552
GI	none	Score	130
Exons	3835..3972, 4021..4146, 4186..4302, 4391..4552		
Seq. No.	46246	Seq. ID	OJ000316_24.0410.C27
Gene No.	98072	Strand	+
Start	280	End	1690
Name	OJ000316_24.0410.C27.o1.gp	Method	AAT/GAP
Start	280	End	1690
GI	1124_1.R1084	Score	2779
Exons	280..1690		
GI Descrip.	'4160402/emb|CAA10616| 1.0e-104 (AJ132240) eukaryotic translation initiation factor 5 [Zea mays]'		
Seq. No.	46246	Seq. ID	OJ000316_24.0410.C27
Gene No.	98073	Strand	-
Start	566	End	1918
Name	OJ000316_24.0410.C27.o1.np	Method	AAT/NAP
Start	562	End	1918
GI	4160402	Score	1754
Exons	562..1918		
GI Descrip.	(AJ132240) eukaryotic translation initiation factor 5 [Zea mays]		
Seq. No.	46246	Seq. ID	OJ000316_24.0410.C27
Gene No.	98073	Strand	-
Start	566	End	1918
Name	OJ000316_24.0410.C27.o1.gs	Method	GENSCAN
Start	566	End	1918
GI	none	Score	1
Exons	566..1918		
Seq. No.	46246	Seq. ID	OJ000316_24.0410.C27
Gene No.	98074	Strand	-
Start	1841	End	2234
Name	OJ000316_24.0410.C27.o1.tw	Method	TBLASTX:Wheat

Start	575	End	849
GI	none	Score	246
Exons	575..832, 583..849, 596..817		

Seq. No.	46246	Seq. ID	OJ000316_24.0410.C27
Gene No.	98074	Strand	-
Start	1841	End	2234
Name	OJ000316_24.0410.C27.o2.tc	Method	TBLASTX:Cress
Start	583	End	1210
GI	none	Score	55
Exons	583..648, 591..647, 596..694, 629..769, 684..773, 819..893, 855..995, 875..1009, 1095..1205, 1109..1210, 1118..1189		

Seq. No.	46246	Seq. ID	OJ000316_24.0410.C27
Gene No.	98074	Strand	-
Start	1841	End	2234
Name	OJ000316_24.0410.C27.o1.tm	Method	TBLASTX:Maize
Start	596	End	2198
GI	none	Score	331
Exons	596..817, 609..995, 875..1027, 1086..1205, 1092..1214, 1093..1209, 1227..1268, 1253..1336, 1253..1279, 1356..1457, 1393..1413, 1406..1501, 1436..1924, 1464..1925, 2040..2090, 2041..2088, 2052..2198, 2083..2175		

Seq. No.	46246	Seq. ID	OJ000316_24.0410.C27
Gene No.	98074	Strand	-
Start	1841	End	2234
Name	OJ000316_24.0410.C27.o1.ts	Method	TBLASTX:Soybean
Start	596	End	2174
GI	none	Score	110
Exons	596..694, 629..814, 641..919, 645..929, 669..845, 1043..1189, 1044..1205, 1353..1457, 1406..1480, 1436..1480, 1436..1924, 1464..1919, 1840..1932, 1999..2139, 2019..2138, 2046..2174		

Seq. No.	46246	Seq. ID	OJ000316_24.0410.C27
Gene No.	98074	Strand	-
Start	1841	End	2234
Name	OJ000316_24.0410.C27.o1.tc	Method	TBLASTX:Cress
Start	1368	End	1736
GI	none	Score	311
Exons	1368..1451, 1406..1501, 1436..1732, 1467..1736		

Seq. No.	46246	Seq. ID	OJ000316_24.0410.C27
Gene No.	98074	Strand	-
Start	1841	End	2234
Name	OJ000316_24.0410.C27.o3.tc	Method	TBLASTX:Cress
Start	1790	End	2135
GI	none	Score	131
Exons	1790..1921, 1799..1918, 1806..1946, 1834..1926, 2055..2135		

Seq. No.	46246	Seq. ID	OJ000316_24.0410.C27
Gene No.	98074	Strand	-
Start	1841	End	2234
Name	OJ000316_24.0410.C27.o2.gp	Method	AAT/GAP
Start	1841	End	2234
GI	29079_1.R1084	Score	655
Exons	1841..2234		

GI Descrip.	'4160401/emb|AJ132240|ZMA132240 2.0e-12 Zea mays eIF-5 gene, exons 1-2'		
Seq. No.	46247	Seq. ID	OJ000316_24.0410.C28
Gene No.	98075	Strand	+
Start	1435	End	1585
Name	OJ000316_24.0410.C28.o1.gp	Method	AAT/GAP
Start	1435	End	1585
GI	29079_1.R1084	Score	217
Exons	1435..1585		
GI Descrip.	'4160401/emb|AJ132240|ZMA132240 2.0e-12 Zea mays eIF-5 gene, exons 1-2'		
Seq. No.	46248	Seq. ID	OJ000316_24.0410.C29
Gene No.	98076	Strand	+
Start	357	End	473
Name	OJ000316_24.0410.C29.o1.gs	Method	GENSCAN
Start	357	End	473
GI	none	Score	.65
Exons	357..473		
Seq. No.	46248	Seq. ID	OJ000316_24.0410.C29
Gene No.	98077	Strand	-
Start	1128	End	1221
Name	OJ000316_24.0410.C29.o1.gp	Method	AAT/GAP
Start	1128	End	1221
GI	none	Score	145
Exons	1128..1221		
Seq. No.	46249	Seq. ID	OJ000316_24.0410.C33
Gene No.	98078	Strand	-
Start	1	End	2118
Name	OJ000316_24.0410.C33.o1.gs	Method	GENSCAN
Start	1	End	2118
GI	none	Score	.67
Exons	1..137, 1155..1314, 1758..2118		
Seq. No.	46249	Seq. ID	OJ000316_24.0410.C33
Gene No.	98079	Strand	
Start	2040	End	2384
Name	OJ000316_24.0410.C33.o1.tm	Method	TBLASTX:Maize
Start	2040	End	2384
GI	none	Score	51
Exons	2040..2210, 2052..2108, 2053..2097, 2100..2360, 2101..2358, 2157..2249, 2244..2384		
Seq. No.	46250	Seq. ID	OJ000316_24.0410.C34
Gene No.	98080	Strand	+
Start	258	End	739
Name	OJ000316_24.0410.C34.o1.gp	Method	AAT/GAP
Start	258	End	536
GI	34683_1.R1084	Score	279
Exons	258..379, 456..536		
GI Descrip.	'2501555/sp|Q40784|AAPC_PENCL 2.0e-13 POSSIBLE APOSPORY-ASSOCIATED PROTEIN C >gi_549984 (U13148) possible apospory-associated protein [Pennisetum ciliare]'		

Seq. No.	46250	Seq. ID	OJ000316_24.0410.C34
Gene No.	98080	Strand	+
Start	258	End	739
Name	OJ000316_24.0410.C34.o1.np	Method	AAT/NAP
Start	270	End	739
GI	6970044	Score	159
Exons	270..379, 456..507, 692..739		
GI Descrip.	(AF195243) apospory-associated protein C; APOC [Chlamydomonas reinhardtii]		

Seq. No.	46250	Seq. ID	OJ000316_24.0410.C34
Gene No.	98081	Strand	-
Start	333	End	507
Name	OJ000316_24.0410.C34.o1.ts	Method	TBLASTX:Soybean
Start	257	End	507
GI	none	Score	192
Exons	257..379, 264..377, 266..379, 450..506, 454..507		

Seq. No.	46250	Seq. ID	OJ000316_24.0410.C34
Gene No.	98081	Strand	-
Start	333	End	507
Name	OJ000316_24.0410.C34.o1.tm	Method	TBLASTX:Maize
Start	263	End	507
GI	none	Score	189
Exons	263..379, 264..377, 268..378, 269..379, 450..506, 450..506, 454..507		

Seq. No.	46250	Seq. ID	OJ000316_24.0410.C34
Gene No.	98081	Strand	-
Start	333	End	507
Name	OJ000316_24.0410.C34.o1.gs	Method	GENSCAN
Start	333	End	490
GI	none	Score	.43
Exons	333..490		

Seq. No.	46251	Seq. ID	OJ000306_14.0410.C2
Gene No.	98082	Strand	-
Start	193	End	2277
Name	OJ000306_14.0410.C2.o1.gs	Method	GENSCAN
Start	193	End	2277
GI	none	Score	.83
Exons	193..2277		

Seq. No.	46251	Seq. ID	OJ000306_14.0410.C2
Gene No.	98083	Strand	-
Start	2310	End	2481
Name	OJ000306_14.0410.C2.o1.gp	Method	AAT/GAP
Start	2310	End	2481
GI	2800454	Score	240
Exons	2310..2481		

Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98084	Strand	+
Start	366	End	7946
Name	OJ000306_14.0410.C4.o1.gs	Method	GENSCAN
Start	366	End	7946
GI	none	Score	.72

Exons	366..449, 547..680, 1008..1112, 5767..5922, 5980..6100, 6105..6190, 6587..6724, 7134..7299, 7731..7946		
Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98084	Strand	+
Start	366	End	7946
Name	OJ000306_14.0410.C4.o1.gp	Method	AAT/GAP
Start	604	End	1291
GI	none	Score	834
Exons	604..680, 812..898, 1008..1291		
Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98085	Strand	+
Start	8929	End	9193
Name	OJ000306_14.0410.C4.o4.gp	Method	AAT/GAP
Start	8929	End	9193
GI	5607533	Score	144
Exons	8929..8953, 9091..9193		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome		
Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98086	Strand	+
Start	21267	End	23723
Name	OJ000306_14.0410.C4.o6.np	Method	AAT/NAP
Start	21267	End	23723
GI	6006359	Score	55
Exons	21267..21288, 23056..23175, 23698..23723		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		
Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98087	Strand	-
Start	8109	End	8325
Name	OJ000306_14.0410.C4.o2.gp	Method	AAT/GAP
Start	8109	End	8325
GI	5886_1.R1084	Score	303
Exons	8109..8325		
GI Descrip.	'11957/emb|X15901|CHOSXX 0.0e+00 Rice complete chloroplast genome'		
Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98088	Strand	-
Start	9240	End	10516
Name	OJ000306_14.0410.C4.o3.np	Method	AAT/NAP
Start	8236	End	10119
GI	128732	Score	187
Exons	8236..8305, 9959..10119		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 4, CHLOROPLAST gi|66181|pir||DERZN4 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 4 - rice chloroplast gi|12050|emb|CAA33953| (X15901) NADH dehydrogenase ND4 [Oryza sativa] gi|226670|prf||1603356CX NADH dehydrogenase ND4 [Oryza sativa]		
Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98088	Strand	-
Start	9240	End	10516
Name	OJ000306_14.0410.C4.o3.gp	Method	AAT/GAP

Start	8298	End	8357
GI	2409_1.R1084	Score	77
Exons	8298..8357		
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98088	Strand	-
Start	9240	End	10516
Name	OJ000306_14.0410.C4.o4.np	Method	AAT/NAP
Start	8815	End	10464
GI	116528	Score	106
Exons	8815..8843, 10205..10464		
GI Descrip.	PROBABLE CLPP-LIKE PROTEASE (ENDOPEPTIDASE CLP) (ORF 216) gi|82633|pir||S12408 probable proteinase, ATP-dependent, chain cplP - wheat chloroplast gi|12336|emb|CAA38354| (X54484) proteolytic subunit of ATP-dependent protease [Triticum aestivum]		

Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98088	Strand	-
Start	9240	End	10516
Name	OJ000306_14.0410.C4.o2.gs	Method	GENSCAN
Start	9240	End	10516
GI	none	Score	.92
Exons	9240..9359, 10165..10233, 10457..10516		

Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98088	Strand	-
Start	9240	End	10516
Name	OJ000306_14.0410.C4.o2.np	Method	AAT/NAP
Start	9246	End	9413
GI	82532	Score	254
Exons	9246..9413		
GI Descrip.	hypothetical 6K protein (rps15-trnL intergenic region) - rice chloroplast gi|12046|emb|CAA33949| (X15901) ORF56; 5' portion of ORF393 [Oryza sativa] gi|226666|prf||1603356CT ORF 393 N term [Oryza sativa]		

Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98089	Strand	-
Start	12382	End	19523
Name	OJ000306_14.0410.C4.o6.gp	Method	AAT/GAP
Start	11995	End	12395
GI	uC-osflcyp032b11b1	Score	794
Exons	11995..12395		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98089	Strand	-
Start	12382	End	19523
Name	OJ000306_14.0410.C4.o3.gs	Method	GENSCAN

Start	12382	End	19523
GI	none	Score	.45
Exons	12382..12832, 12961..13066, 13229..13314, 14468..14558, 16162..16286, 16347..16450, 16745..17170, 17648..17800, 18965..19223, 19309..19440, 19462..19523		

Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98090	Strand	-
Start	20372	End	22000
Name	OJ000306_14.0410.C4.o4.gs	Method	GENSCAN
Start	20372	End	22000
GI	none	Score	.58
Exons	20372..20810, 21384..21481, 21899..22000		

Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98091	Strand	-
Start	22502	End	22581
Name	OJ000306_14.0410.C4.o7.gp	Method	AAT/GAP
Start	22502	End	22581
GI	3760640	Score	97
Exons	22502..22581		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98092	Strand	-
Start	22648	End	23723
Name	OJ000306_14.0410.C4.o1.tm	Method	TBLASTX:Maize
Start	323	End	691
GI	none	Score	168
Exons	323..457, 324..449, 504..626, 532..660, 544..627, 545..691		

Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98092	Strand	-
Start	22648	End	23723
Name	OJ000306_14.0410.C4.o2.tm	Method	TBLASTX:Maize
Start	6522	End	6863
GI	none	Score	73
Exons	6522..6626, 6548..6628, 6572..6631, 6630..6788, 6630..6788, 6728..6793, 6730..6792, 6792..6863		

Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98092	Strand	-
Start	22648	End	23723
Name	OJ000306_14.0410.C4.o1.ts	Method	TBLASTX:Soybean
Start	9226	End	9419
GI	none	Score	208
Exons	9226..9399, 9255..9419		

Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98092	Strand	-
Start	22648	End	23723
Name	OJ000306_14.0410.C4.o2.ts	Method	TBLASTX:Soybean
Start	9975	End	10114
GI	none	Score	172
Exons	9975..10109, 9980..10111, 9981..10112, 9982..10113, 9983..10114		

Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98092	Strand	-
Start	22648	End	23723
Name	OJ000306_14.0410.C4.o1.tc	Method	TBLASTX:Cress
Start	9980	End	10114
GI	none	Score	167
Exons	9980..10114, 9981..10112		

Seq. No.	46252	Seq. ID	OJ000306_14.0410.C4
Gene No.	98092	Strand	-
Start	22648	End	23723
Name	OJ000306_14.0410.C4.o5.np	Method	AAT/NAP
Start	22648	End	23723
GI	7340920	Score	84
Exons	22648..22727, 23696..23723		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	46253	Seq. ID	OJ000306_14.0410.C5
Gene No.	98093	Strand	+
Start	996	End	3205
Name	OJ000306_14.0410.C5.o1.gs	Method	GENSCAN
Start	996	End	3205
GI	none	Score	.75
Exons	996..1223, 1357..1642, 2879..3205		

Seq. No.	46253	Seq. ID	OJ000306_14.0410.C5
Gene No.	98094	Strand	+
Start	6537	End	11110
Name	OJ000306_14.0410.C5.o3.np	Method	AAT/NAP
Start	6537	End	11110
GI	7486836	Score	423
Exons	6537..6643, 7668..7872, 7980..8073, 8198..8313, 8548..8630, 9011..9036, 9138..9206, 11055..11110		
GI Descrip.	hypothetical protein T10I14.90 - Arabidopsis thaliana gi|2832676|emb|CAA16776.1| (AL021712) putative protein [Arabidopsis thaliana] gi|7269072|emb|CAB79181.1| (AL161557) putative protein [Arabidopsis thaliana]		

Seq. No.	46253	Seq. ID	OJ000306_14.0410.C5
Gene No.	98094	Strand	+
Start	6537	End	11110
Name	OJ000306_14.0410.C5.o3.gp	Method	AAT/GAP
Start	7562	End	8036
GI	uC-osrocyp014e12b1	Score	543
Exons	7562..7872, 7980..8036		
GI Descrip.	'3929647/emb|CAA06190| 4.0e-11 (AJ004881) Immutans protein [Arabidopsis thaliana]'		

Seq. No.	46253	Seq. ID	OJ000306_14.0410.C5
Gene No.	98095	Strand	-
Start	579	End	810
Name	OJ000306_14.0410.C5.o1.np	Method	AAT/NAP
Start	579	End	810
GI	7340924	Score	75
Exons	579..810		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	46253	Seq. ID	OJ000306_14.0410.C5
Gene No.	98096	Strand	-
Start	1002	End	5797
Name	OJ000306_14.0410.C5.o2.np	Method	AAT/NAP
Start	1002	End	5797
GI	6016874	Score	2162
Exons	1002..1022, 2867..3121, 3630..3966, 4076..4258, 4652..4811, 5201..5433, 5498..5635, 5719..5797		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	46253	Seq. ID	OJ000306_14.0410.C5
Gene No.	98096	Strand	-
Start	1002	End	5797
Name	OJ000306_14.0410.C5.o2.gs	Method	GENSCAN
Start	3626	End	5797
GI	none	Score	.71
Exons	3626..4078, 4170..4258, 4652..4811, 5345..5433, 5498..5597, 5648..5797		

Seq. No.	46253	Seq. ID	OJ000306_14.0410.C5
Gene No.	98096	Strand	-
Start	1002	End	5797
Name	OJ000306_14.0410.C5.o3.tm	Method	TBLASTX:Maize
Start	3692	End	3935
GI	none	Score	97
Exons	3692..3925, 3777..3935		

Seq. No.	46253	Seq. ID	OJ000306_14.0410.C5
Gene No.	98096	Strand	-
Start	1002	End	5797
Name	OJ000306_14.0410.C5.o5.tm	Method	TBLASTX:Maize
Start	4009	End	4391
GI	none	Score	141
Exons	4009..4380, 4110..4391		

Seq. No.	46253	Seq. ID	OJ000306_14.0410.C5
Gene No.	98096	Strand	-
Start	1002	End	5797
Name	OJ000306_14.0410.C5.o4.tm	Method	TBLASTX:Maize
Start	4596	End	4910
GI	none	Score	108
Exons	4596..4823, 4597..4815, 4836..4910		

Seq. No.	46253	Seq. ID	OJ000306_14.0410.C5
Gene No.	98096	Strand	-
Start	1002	End	5797
Name	OJ000306_14.0410.C5.o2.gp	Method	AAT/GAP
Start	4601	End	5108
GI	uC-osflcyp110c07b1	Score	961
Exons	4601..5108		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	46253	Seq. ID	OJ000306_14.0410.C5

Gene No.	98096	Strand	-
Start	1002	End	5797
Name	OJ000306_14.0410.C5.o2.tm	Method	TBLASTX:Maize
Start	5003	End	5449
GI	none	Score	110
Exons	5003..5041, 5036..5092, 5129..5377, 5169..5378, 5363..5449		

Seq. No.	46253	Seq. ID	OJ000306_14.0410.C5
Gene No.	98097	Strand	
Start	7698	End	9198
Name	OJ000306_14.0410.C5.o1.tm	Method	TBLASTX:Maize
Start	7698	End	8280
GI	none	Score	98
Exons	7698..7838, 7699..7800, 7816..7872, 7955..8089, 7962..8093, 8196..8279, 8197..8280, 8206..8280		

Seq. No.	46253	Seq. ID	OJ000306_14.0410.C5
Gene No.	98097	Strand	
Start	7698	End	9198
Name	OJ000306_14.0410.C5.o1.tc	Method	TBLASTX:Cress
Start	7816	End	9198
GI	none	Score	72
Exons	7816..7872, 7839..7886, 7979..8092, 7980..8093, 8083..8196, 8196..8315, 8197..8313, 8197..8316, 8198..8314, 8198..8344, 9136..9198, 9137..9196		

Seq. No.	46253	Seq. ID	OJ000306_14.0410.C5
Gene No.	98097	Strand	
Start	7698	End	9198
Name	OJ000306_14.0410.C5.o1.ts	Method	TBLASTX:Soybean
Start	7816	End	8317
GI	none	Score	59
Exons	7816..7872, 7839..7874, 7979..8071, 7980..8108, 7993..8073, 8196..8315, 8197..8313, 8209..8316, 8216..8317		

Seq. No.	46254	Seq. ID	OJ000306_14.0410.C6
Gene No.	98098	Strand	+
Start	1307	End	5042
Name	OJ000306_14.0410.C6.o1.gp	Method	AAT/GAP
Start	1307	End	3252
GI	28521_1.R1084	Score	1458
Exons	1307..1401, 1791..2147, 2228..2306, 2563..2631, 2714..2803, 3148..3252		
GI Descrip.	'5123943/emb|CAB45501.1| 2.0e-37 (AL079349) serine/threonine-specific protein kinase MHK [Arabidopsis thaliana]'		

Seq. No.	46254	Seq. ID	OJ000306_14.0410.C6
Gene No.	98098	Strand	+
Start	1307	End	5042
Name	OJ000306_14.0410.C6.o1.np	Method	AAT/NAP
Start	2196	End	5042
GI	7446448	Score	755
Exons	2196..2306, 2563..2631, 2714..2803, 3148..3286, 3372..3474, 3559..3611, 3757..3823, 4336..4444, 4523..4588, 4901..5042		
GI Descrip.	serine/threonine-specific protein kinase (EC 2.7.1.-) MHK - Arabidopsis thaliana gi|5123943|emb|CAB45501.1| (AL079349)		

serine/threonine-specific protein kinase MHK [Arabidopsis thaliana] gi|7268004|emb|CAB78344.1| (AL161535) serine/threonine-specific protein kinase MHK [Arabidopsis thaliana]

Seq. No.	46254	Seq. ID	OJ000306_14.0410.C6
Gene No.	98098	Strand	+
Start	1307	End	5042
Name	OJ000306_14.0410.C6.o2.gs	Method	GENSCAN
Start	2578	End	4588
GI	none	Score	.95
Exons	2578..2631, 3148..3286, 3372..3474, 4336..4444, 4523..4588		

Seq. No.	46254	Seq. ID	OJ000306_14.0410.C6
Gene No.	98099	Strand	-
Start	1063	End	4972
Name	OJ000306_14.0410.C6.o1.gs	Method	GENSCAN
Start	1063	End	2207
GI	none	Score	.75
Exons	1063..1636, 1837..1923, 2029..2207		

Seq. No.	46254	Seq. ID	OJ000306_14.0410.C6
Gene No.	98099	Strand	-
Start	1063	End	4972
Name	OJ000306_14.0410.C6.o1.tm	Method	TBLASTX:Maize
Start	2045	End	4942
GI	none	Score	65
Exons	2045..2125, 2051..2125, 2226..2312, 2226..2306, 2227..2307, 2549..2632, 2553..2630, 2565..2633, 2566..2637, 2569..2631, 2680..2805, 2708..2803, 3127..3285, 3146..3190, 3147..3284, 3151..3297, 3372..3431, 3374..3430, 3398..3475, 3418..3480, 3434..3475, 3435..3545, 3435..3476, 3559..3609, 3560..3610, 3755..3823, 3756..3818, 3760..3822, 4320..4439, 4325..4444, 4334..4444, 4525..4584, 4526..4588, 4529..4588, 4898..4942		

Seq. No.	46254	Seq. ID	OJ000306_14.0410.C6
Gene No.	98099	Strand	-
Start	1063	End	4972
Name	OJ000306_14.0410.C6.o1.tc	Method	TBLASTX:Cress
Start	2220	End	4972
GI	none	Score	107
Exons	2220..2312, 2225..2308, 2562..2627, 2563..2637, 2708..2803, 2725..2805, 3127..3285, 3153..3284, 3154..3297, 3370..3468, 3371..3475, 3374..3475, 3382..3504, 3559..3606, 3560..3610, 3755..3823, 3756..3818, 4333..4434, 4334..4435, 4520..4585, 4543..4584, 4901..4972		

Seq. No.	46254	Seq. ID	OJ000306_14.0410.C6
Gene No.	98099	Strand	-
Start	1063	End	4972
Name	OJ000306_14.0410.C6.o1.tw	Method	TBLASTX:Wheat
Start	2583	End	3865
GI	none	Score	75
Exons	2583..2627, 2584..2646, 2708..2803, 2722..2805, 2729..2803, 3127..3285, 3147..3284, 3208..3285, 3370..3468, 3371..3475, 3559..3582, 3560..3610, 3755..3865, 3756..3815		

Seq. No.	46254	Seq. ID	OJ000306_14.0410.C6
Gene No.	98099	Strand	-
Start	1063	End	4972
Name	OJ000306_14.0410.C6.o1.ts	Method	TBLASTX:Soybean
Start	3127	End	3610
GI	none	Score	176
Exons	3127..3285, 3147..3284, 3154..3285, 3370..3501, 3371..3475, 3403..3501, 3560..3610		

Seq. No.	46255	Seq. ID	OJ000306_14.0410.C7
Gene No.	98100	Strand	+
Start	157	End	1165
Name	OJ000306_14.0410.C7.o1.gs	Method	GENSCAN
Start	157	End	1165
GI	none	Score	.68
Exons	157..208, 360..444, 535..640, 1100..1165		

Seq. No.	46256	Seq. ID	OJ000306_14.0410.C8
Gene No.	98101	Strand	+
Start	1	End	330
Name	OJ000306_14.0410.C8.o1.gp	Method	AAT/GAP
Start	1	End	330
GI	7406_1.R1084	Score	575
Exons	1..330		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	46256	Seq. ID	OJ000306_14.0410.C8
Gene No.	98102	Strand	+
Start	4867	End	4948
Name	OJ000306_14.0410.C8.o4.gp	Method	AAT/GAP
Start	4867	End	4948
GI	7406_1.R1084	Score	109
Exons	4867..4948		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	46256	Seq. ID	OJ000306_14.0410.C8
Gene No.	98103	Strand	-
Start	361	End	4428
Name	OJ000306_14.0410.C8.o1.np	Method	AAT/NAP
Start	319	End	4428
GI	7228442	Score	4660
Exons	319..503, 1802..4428		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	46256	Seq. ID	OJ000306_14.0410.C8
Gene No.	98103	Strand	-
Start	361	End	4428
Name	OJ000306_14.0410.C8.o1.gs	Method	GENSCAN
Start	361	End	4428
GI	none	Score	.72
Exons	361..503, 654..856, 861..908, 972..1103, 1194..1231, 1297..1479, 1572..1999, 2367..4428		

Seq. No.	46256	Seq. ID	OJ000306_14.0410.C8
Gene No.	98103	Strand	-
Start	361	End	4428
Name	OJ000306_14.0410.C8.o2.gp	Method	AAT/GAP
Start	1580	End	1816
GI	LIB3475-007-P1-K1-G8	Score	431
Exons	1580..1816		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	46256	Seq. ID	OJ000306_14.0410.C8
Gene No.	98103	Strand	-
Start	361	End	4428
Name	OJ000306_14.0410.C8.o1.tw	Method	TBLASTX:Wheat
Start	2740	End	3120
GI	none	Score	77
Exons	2740..2916, 2770..2916, 2801..2920, 2914..3111, 2926..3120		

Seq. No.	46256	Seq. ID	OJ000306_14.0410.C8
Gene No.	98103	Strand	-
Start	361	End	4428
Name	OJ000306_14.0410.C8.o1.tm	Method	TBLASTX:Maize
Start	2818	End	3414
GI	none	Score	151
Exons	2818..2889, 2953..3252, 3014..3235, 3286..3414, 3308..3406		

Seq. No.	46256	Seq. ID	OJ000306_14.0410.C8
Gene No.	98103	Strand	-
Start	361	End	4428
Name	OJ000306_14.0410.C8.o3.gp	Method	AAT/GAP
Start	2940	End	3371
GI	5701669	Score	841
Exons	2940..3371		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	46257	Seq. ID	OJ000306_14.0410.C9
Gene No.	98104	Strand	+
Start	623	End	6173
Name	OJ000306_14.0410.C9.o1.gs	Method	GENSCAN
Start	623	End	6125
GI	none	Score	.52
Exons	623..753, 1754..1835, 2615..2791, 2854..3024, 3117..3172, 5676..6125		

Seq. No.	46257	Seq. ID	OJ000306_14.0410.C9
Gene No.	98104	Strand	+
Start	623	End	6173
Name	OJ000306_14.0410.C9.o1.np	Method	AAT/NAP
Start	3086	End	6173
GI	6642637	Score	257
Exons	3086..3148, 5661..6173		
GI Descrip.	(AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	46257	Seq. ID	OJ000306_14.0410.C9

Gene No.	98104	Strand	+
Start	623	End	6173
Name	OJ000306_14.0410.C9.o1.gp	Method	AAT/GAP
Start	5835	End	6173
GI	4968798	Score	669
Exons	5835..6173		

Seq. No.	46258	Seq. ID	OJ000306_14.0410.C10
Gene No.	98105	Strand	+
Start	1	End	1025
Name	OJ000306_14.0410.C10.o1.gp	Method	AAT/GAP
Start	1	End	175
GI	3763684	Score	338
Exons	1..175		

Seq. No.	46258	Seq. ID	OJ000306_14.0410.C10
Gene No.	98105	Strand	+
Start	1	End	1025
Name	OJ000306_14.0410.C10.o1.gs	Method	GENSCAN
Start	63	End	1025
GI	none	Score	.84
Exons	63..420, 535..1025		

Seq. No.	46258	Seq. ID	OJ000306_14.0410.C10
Gene No.	98106	Strand	-
Start	1203	End	1944
Name	OJ000306_14.0410.C10.o1.tm	Method	TBLASTX:Maize
Start	66	End	983
GI	none	Score	70
Exons	66..113, 73..129, 145..192, 172..192, 241..297, 248..298, 297..413, 372..422, 549..665, 550..732, 550..684, 688..720, 689..721, 750..929, 768..905, 914..982, 915..983		

Seq. No.	46258	Seq. ID	OJ000306_14.0410.C10
Gene No.	98106	Strand	-
Start	1203	End	1944
Name	OJ000306_14.0410.C10.o2.gs	Method	GENSCAN
Start	1203	End	1944
GI	none	Score	.87
Exons	1203..1366, 1670..1944		

Seq. No.	46259	Seq. ID	OJ000306_14.0410.C11
Gene No.	98107	Strand	+
Start	151	End	1028
Name	OJ000306_14.0410.C11.o1.gs	Method	GENSCAN
Start	151	End	1028
GI	none	Score	.62
Exons	151..231, 582..633, 949..1028		

Seq. No.	46259	Seq. ID	OJ000306_14.0410.C11
Gene No.	98108	Strand	-
Start	2256	End	3573
Name	OJ000306_14.0410.C11.o2.gs	Method	GENSCAN
Start	2256	End	3573
GI	none	Score	.67
Exons	2256..2339, 3067..3360, 3475..3573		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98109	Strand	+
Start	11321	End	15057
Name	OJ000306_14.0410.C12.o2.gp	Method	AAT/GAP
Start	11321	End	14318
GI	1605_2.R1084	Score	1663
Exons	11321..11433, 11777..11842, 11976..12028, 12605..12632, 13300..13374, 13483..13587, 13741..13830, 13917..14318		
GI Descrip.	'4093169 3.0e-56 (AF095933) p20-Arc [Dictyostelium discoideum]'		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98109	Strand	+
Start	11321	End	15057
Name	OJ000306_14.0410.C12.o3.np	Method	AAT/NAP
Start	11774	End	14000
GI	7297077	Score	401
Exons	11774..11842, 11976..12028, 12605..12632, 13300..13374, 13483..13587, 13741..13830, 13917..14000		
GI Descrip.	(AE003612) CG5972 gene product [Drosophila melanogaster]		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98109	Strand	+
Start	11321	End	15057
Name	OJ000306_14.0410.C12.o3.gs	Method	GENSCAN
Start	11831	End	15057
GI	none	Score	.81
Exons	11831..11842, 11976..12028, 12605..12632, 13300..13374, 13483..13587, 13741..13830, 13917..13969, 14446..14622, 15018..15057		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98110	Strand	+
Start	18619	End	19216
Name	OJ000306_14.0410.C12.o4.gp	Method	AAT/GAP
Start	18619	End	19216
GI	2800454	Score	234
Exons	18619..18643, 19070..19216		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98111	Strand	-
Start	2000	End	8630
Name	OJ000306_14.0410.C12.o1.gs	Method	GENSCAN
Start	2000	End	8630
GI	none	Score	.62
Exons	2000..2079, 2131..2149, 2464..2585, 2625..3138, 3166..3210, 3430..3728, 3912..4020, 5422..5575, 6226..6323, 6410..6697, 6776..6966, 7252..7469, 7777..8630		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98111	Strand	-
Start	2000	End	8630
Name	OJ000306_14.0410.C12.o1.np	Method	AAT/NAP
Start	2455	End	3941
GI	7448619	Score	979
Exons	2455..3941		
GI Descrip.	lysine decarboxylase cad - Synechocystis sp. (strain PCC 6803) gi|1651862|dbj|BAA16789.1| (D90900) lysine decarboxylase		

[Synechocystis sp.]

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98111	Strand	-
Start	2000	End	8630
Name	OJ000306_14.0410.C12.o2.np	Method	AAT/NAP
Start	6506	End	8630
GI	7435105	Score	1155
Exons	6506..6697, 6776..6994, 7250..7469, 7777..8134, 8189..8630		
GI Descrip.	hypothetical protein F18A5.90 - Arabidopsis thaliana gi|4455299|emb|CAB36834.1| (AL035528) putative protein [Arabidopsis thaliana] gi|7268074|emb|CAB78412.1| (AL161537) putative protein [Arabidopsis thaliana]		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98112	Strand	-
Start	9558	End	11432
Name	OJ000306_14.0410.C12.o2.gs	Method	GENSCAN
Start	9558	End	11432
GI	none	Score	.59
Exons	9558..9984, 10221..10228, 10285..10406, 11387..11432		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98113	Strand	-
Start	15744	End	17845
Name	OJ000306_14.0410.C12.o4.gs	Method	GENSCAN
Start	15744	End	17845
GI	none	Score	.99
Exons	15744..16111, 17560..17845		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98114	Strand	-
Start	17809	End	18260
Name	OJ000306_14.0410.C12.o3.gp	Method	AAT/GAP
Start	17809	End	18260
GI	2311066	Score	631
Exons	17809..18135, 18238..18260		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98115	Strand	-
Start	19115	End	20464
Name	OJ000306_14.0410.C12.o5.gs	Method	GENSCAN
Start	19115	End	20464
GI	none	Score	.55
Exons	19115..19194, 20048..20170, 20302..20464		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o6.tm	Method	TBLASTX:Maize
Start	2539	End	2823
GI	none	Score	90
Exons	2539..2634, 2539..2634, 2564..2635, 2635..2817, 2635..2823, 2747..2821		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-

Start	21987	End	23589
Name	OJ000306_14.0410.C12.o5.tm	Method	TBLASTX:Maize
Start	3685	End	4015
GI	none	Score	231
Exons	3685..4008, 3686..4015		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o1.tm	Method	TBLASTX:Maize
Start	6204	End	8565
GI	none	Score	50
Exons	6204..6257, 6214..6258, 6249..6332, 6271..6330, 6378..6698, 6404..6697, 6647..6703, 6773..6976, 6774..6977, 6818..6997, 6820..6996, 7221..7391, 7222..7404, 7250..7474, 7250..7471, 7446..7472, 7773..7817, 7774..8130, 7776..8129, 8187..8513, 8188..8565		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o1.tc	Method	TBLASTX:Cress
Start	6276	End	7997
GI	none	Score	65
Exons	6276..6329, 6368..6463, 6402..6470, 6578..6652, 6662..6697, 6773..6961, 6774..6962, 7776..7796, 7857..7997		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o3.ts	Method	TBLASTX:Soybean
Start	6276	End	8117
GI	none	Score	68
Exons	6276..6329, 6398..6469, 6578..6652, 6662..6697, 6773..6961, 6843..6959, 7776..7796, 7857..8003, 8079..8117		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o4.ts	Method	TBLASTX:Soybean
Start	11762	End	14006
GI	none	Score	117
Exons	11762..11842, 11776..11856, 11966..12019, 11970..12029, 13299..13403, 13300..13377, 13452..13580, 13480..13587, 13738..13830, 13738..13830, 13917..14006, 13949..14002		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o8.tm	Method	TBLASTX:Maize
Start	11773	End	13588
GI	none	Score	78
Exons	11773..11856, 11776..11838, 11777..11842, 11966..12028, 11968..12033, 11970..12029, 13293..13376, 13293..13403, 13300..13377, 13307..13396, 13467..13580, 13480..13587, 13480..13587, 13481..13588		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o4.tc	Method	TBLASTX:Cress
Start	11776	End	14011
GI	none	Score	101
Exons	11776..11841, 11777..11842, 11970..12029, 13293..13367, 13300..13365, 13480..13587, 13482..13580, 13738..13830, 13738..13830, 13740..13874, 13917..14006, 13949..14011		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o7.tm	Method	TBLASTX:Maize
Start	13738	End	14006
GI	none	Score	160
Exons	13738..13830, 13738..13830, 13917..14006, 13949..14002		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o3.tw	Method	TBLASTX:Wheat
Start	15618	End	15935
GI	none	Score	42
Exons	15618..15647, 15713..15898, 15720..15935, 15721..15849, 15725..15934		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o4.tm	Method	TBLASTX:Maize
Start	15730	End	17783
GI	none	Score	77
Exons	15730..15849, 15730..15849, 15731..15898, 15744..16112, 15746..16102, 15892..16113, 15954..16112, 17532..17783, 17558..17782		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o2.ts	Method	TBLASTX:Soybean
Start	21966	End	22646
GI	none	Score	72
Exons	21966..22229, 22063..22224, 22257..22646, 22342..22452, 22486..22641		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o6.gs	Method	GENSCAN
Start	21987	End	23471
GI	none	Score	.96
Exons	21987..23471		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589

Name	OJ000306_14.0410.C12.o4.np	Method	AAT/NAP
Start	21990	End	23589
GI	6630685	Score	1692
Exons	21990..23589		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o2.tc	Method	TBLASTX:Cress
Start	22008	End	22667
GI	none	Score	67
Exons	22008..22220, 22102..22221, 22239..22373, 22485..22655, 22494..22667		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o2.tm	Method	TBLASTX:Maize
Start	22008	End	22664
GI	none	Score	301
Exons	22008..22664, 22009..22656		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o2.tw	Method	TBLASTX:Wheat
Start	22431	End	22847
GI	none	Score	85
Exons	22431..22667, 22432..22656, 22695..22847		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o5.ts	Method	TBLASTX:Soybean
Start	22647	End	22875
GI	none	Score	70
Exons	22647..22871, 22708..22875		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o3.tm	Method	TBLASTX:Maize
Start	22908	End	23355
GI	none	Score	109
Exons	22908..23354, 22917..23213, 22918..23355		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o1.ts	Method	TBLASTX:Soybean
Start	23017	End	23586
GI	5509260	Score	413
Exons	23017..23586, 23019..23546		
GI Descrip.	-		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o1.tw	Method	TBLASTX:Wheat
Start	23034	End	23501
GI	none	Score	151
Exons	23034..23378, 23035..23202, 23233..23361, 23412..23501, 23418..23495		

Seq. No.	46260	Seq. ID	OJ000306_14.0410.C12
Gene No.	98116	Strand	-
Start	21987	End	23589
Name	OJ000306_14.0410.C12.o3.tc	Method	TBLASTX:Cress
Start	23136	End	23402
GI	none	Score	116
Exons	23136..23402, 23137..23397		

Seq. No.	46261	Seq. ID	OJ000306_14.0410.C13
Gene No.	98117	Strand	+
Start	2465	End	3882
Name	OJ000306_14.0410.C13.o1.gp	Method	AAT/GAP
Start	2465	End	3882
GI	none	Score	880
Exons	2465..2657, 3617..3882		

Seq. No.	46261	Seq. ID	OJ000306_14.0410.C13
Gene No.	98118	Strand	+
Start	3803	End	4467
Name	OJ000306_14.0410.C13.o3.gs	Method	GENSCAN
Start	3803	End	4405
GI	none	Score	.9
Exons	3803..4117, 4217..4405		

Seq. No.	46261	Seq. ID	OJ000306_14.0410.C13
Gene No.	98118	Strand	+
Start	3803	End	4467
Name	OJ000306_14.0410.C13.o1.np	Method	AAT/NAP
Start	4211	End	4467
GI	7489517	Score	107
Exons	4211..4467		
GI Descrip.	NOI protein - rice gi|2642217|gb|AAB86939.1| (AF030387) NOI protein [Oryza sativa]		

Seq. No.	46261	Seq. ID	OJ000306_14.0410.C13
Gene No.	98119	Strand	-
Start	162	End	324
Name	OJ000306_14.0410.C13.o1.gs	Method	GENSCAN
Start	162	End	324
GI	none	Score	.48
Exons	162..324		

Seq. No.	46261	Seq. ID	OJ000306_14.0410.C13
Gene No.	98120	Strand	-
Start	2066	End	2811
Name	OJ000306_14.0410.C13.o2.gs	Method	GENSCAN
Start	2066	End	2811
GI	none	Score	.7

Exons	2066..2141, 2422..2551, 2619..2811		
Seq. No.	46261	Seq. ID	OJ000306_14.0410.C13
Gene No.	98121	Strand	
Start	3605	End	4918
Name	OJ000306_14.0410.C13.o1.ts	Method	TBLASTX:Soybean
Start	3605	End	4360
GI	none	Score	46
Exons	3605..3649, 3674..3739, 4058..4117, 4069..4116, 4190..4324, 4216..4359, 4217..4360		
Seq. No.	46261	Seq. ID	OJ000306_14.0410.C13
Gene No.	98121	Strand	
Start	3605	End	4918
Name	OJ000306_14.0410.C13.o1.tm	Method	TBLASTX:Maize
Start	3611	End	4918
GI	none	Score	69
Exons	3611..3655, 3622..3645, 3653..3742, 3676..3735, 3748..3795, 3875..3928, 3882..3926, 3934..4083, 3938..4084, 4081..4116, 4082..4117, 4216..4329, 4217..4330, 4873..4917, 4874..4918		
Seq. No.	46262	Seq. ID	OJ000306_14.0410.C14
Gene No.	98122	Strand	+
Start	67	End	985
Name	OJ000306_14.0410.C14.o1.gs	Method	GENSCAN
Start	67	End	985
GI	none	Score	.65
Exons	67..119, 220..312, 919..985		
Seq. No.	46262	Seq. ID	OJ000306_14.0410.C14
Gene No.	98123	Strand	-
Start	1292	End	6905
Name	OJ000306_14.0410.C14.o2.gs	Method	GENSCAN
Start	1292	End	6905
GI	none	Score	.7
Exons	1292..1917, 2161..2350, 2474..2550, 3818..3923, 4142..4968, 4992..5268, 5722..5829, 6821..6905		
Seq. No.	46262	Seq. ID	OJ000306_14.0410.C14
Gene No.	98123	Strand	-
Start	1292	End	6905
Name	OJ000306_14.0410.C14.o3.tm	Method	TBLASTX:Maize
Start	1931	End	2176
GI	none	Score	120
Exons	1931..1969, 2000..2176, 2006..2173		
Seq. No.	46262	Seq. ID	OJ000306_14.0410.C14
Gene No.	98123	Strand	-
Start	1292	End	6905
Name	OJ000306_14.0410.C14.o2.ts	Method	TBLASTX:Soybean
Start	3678	End	3975
GI	none	Score	37
Exons	3678..3731, 3696..3731, 3792..3974, 3793..3975		
Seq. No.	46262	Seq. ID	OJ000306_14.0410.C14
Gene No.	98123	Strand	-
Start	1292	End	6905

Name	OJ000306_14.0410.C14.o2.tm	Method	TBLASTX:Maize
Start	3792	End	4158
GI	none	Score	64
Exons	3792..4007, 3793..3951, 4014..4157, 4090..4158		

Seq. No.	46262	Seq. ID	OJ000306_14.0410.C14
Gene No.	98123	Strand	-
Start	1292	End	6905
Name	OJ000306_14.0410.C14.o1.ts	Method	TBLASTX:Soybean
Start	4089	End	4634
GI	none	Score	81
Exons	4089..4205, 4265..4483, 4290..4409, 4457..4564, 4500..4553, 4568..4633, 4575..4634		

Seq. No.	46262	Seq. ID	OJ000306_14.0410.C14
Gene No.	98123	Strand	-
Start	1292	End	6905
Name	OJ000306_14.0410.C14.o1.np	Method	AAT/NAP
Start	4283	End	4633
GI	4587242	Score	576
Exons	4283..4633		
GI Descrip.	(AB022165) A320-4 [Oryza sativa]		

Seq. No.	46262	Seq. ID	OJ000306_14.0410.C14
Gene No.	98123	Strand	-
Start	1292	End	6905
Name	OJ000306_14.0410.C14.o1.tm	Method	TBLASTX:Maize
Start	4502	End	4882
GI	none	Score	127
Exons	4502..4807, 4527..4661, 4540..4662, 4677..4721, 4805..4882		

Seq. No.	46263	Seq. ID	OJ000306_14.0410.C16
Gene No.	98124	Strand	+
Start	535	End	941
Name	OJ000306_14.0410.C16.o1.gp	Method	AAT/GAP
Start	535	End	780
GI	none	Score	374
Exons	535..780		

Seq. No.	46263	Seq. ID	OJ000306_14.0410.C16
Gene No.	98124	Strand	+
Start	535	End	941
Name	OJ000306_14.0410.C16.o1.gs	Method	GENSCAN
Start	535	End	941
GI	none	Score	.72
Exons	535..637, 697..941		

Seq. No.	46263	Seq. ID	OJ000306_14.0410.C16
Gene No.	98125	Strand	+
Start	1538	End	5981
Name	OJ000306_14.0410.C16.o1.np	Method	AAT/NAP
Start	1538	End	5981
GI	7523512	Score	373
Exons	1538..1690, 5858..5981		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	46263	Seq. ID	OJ000306_14.0410.C16

Gene No.	98126	Strand	-
Start	4450	End	9307
Name	OJ000306_14.0410.C16.o3.gs	Method	GENSCAN
Start	4450	End	9307
GI	none	Score	.53
Exons	4450..4521, 4731..4901, 5371..5413, 5840..5907, 6294..6868, 8749..8852, 9216..9307		

Seq. No.	46263	Seq. ID	OJ000306_14.0410.C16
Gene No.	98126	Strand	-
Start	4450	End	9307
Name	OJ000306_14.0410.C16.o2.np	Method	AAT/NAP
Start	5076	End	6868
GI	134920	Score	128
Exons	5076..5093, 5937..6000, 6376..6505, 6626..6868		
GI Descrip.	SULFATED SURFACE GLYCOPROTEIN 185 (SSG 185) gi|99441|pir||A33647 sulfated surface glycoprotein 185 - Volvox carteri gi|1405821|emb|CAA35953| (X51616) SULFATED SURFACE GLYCOPROTEIN 185 [Volvox carteri]		

Seq. No.	46264	Seq. ID	OJ000306_14.0410.C17
Gene No.	98127	Strand	-
Start	263	End	2517
Name	OJ000306_14.0410.C17.o1.gs	Method	GENSCAN
Start	263	End	2517
GI	none	Score	.43
Exons	263..440, 762..906, 949..2081, 2099..2517		

Seq. No.	46264	Seq. ID	OJ000306_14.0410.C17
Gene No.	98127	Strand	-
Start	263	End	2517
Name	OJ000306_14.0410.C17.o1.np	Method	AAT/NAP
Start	347	End	2091
GI	7489501	Score	689
Exons	347..1027, 1067..2091		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792220|gb|AAB96985.1| (AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	46264	Seq. ID	OJ000306_14.0410.C17
Gene No.	98128	Strand	-
Start	8394	End	8744
Name	OJ000306_14.0410.C17.o1.tm	Method	TBLASTX:Maize
Start	1091	End	1459
GI	none	Score	70
Exons	1091..1315, 1092..1250, 1313..1459		

Seq. No.	46264	Seq. ID	OJ000306_14.0410.C17
Gene No.	98128	Strand	-
Start	8394	End	8744
Name	OJ000306_14.0410.C17.o2.ts	Method	TBLASTX:Soybean
Start	1169	End	1438
GI	none	Score	79
Exons	1169..1312, 1170..1340, 1352..1438		

Seq. No.	46264	Seq. ID	OJ000306_14.0410.C17
Gene No.	98128	Strand	-

Start	8394	End	8744
Name	OJ000306_14.0410.C17.o1.ts	Method	TBLASTX:Soybean
Start	1562	End	1921
GI	none	Score	66
Exons	1562..1852, 1587..1706, 1856..1921		

Seq. No.	46264	Seq. ID	OJ000306_14.0410.C17
Gene No.	98128	Strand	-
Start	8394	End	8744
Name	OJ000306_14.0410.C17.o2.tm	Method	TBLASTX:Maize
Start	1808	End	2080
GI	none	Score	128
Exons	1808..2080, 1821..1961, 1965..2021		

Seq. No.	46264	Seq. ID	OJ000306_14.0410.C17
Gene No.	98128	Strand	-
Start	8394	End	8744
Name	OJ000306_14.0410.C17.o3.gs	Method	GENSCAN
Start	8394	End	8744
GI	none	Score	.57
Exons	8394..8744		

Seq. No.	46265	Seq. ID	OJ000306_14.0410.C18
Gene No.	98129	Strand	+
Start	1	End	1314
Name	OJ000306_14.0410.C18.o1.np	Method	AAT/NAP
Start	1	End	1314
GI	130582	Score	520
Exons	1..1314		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	46265	Seq. ID	OJ000306_14.0410.C18
Gene No.	98129	Strand	+
Start	1	End	1314
Name	OJ000306_14.0410.C18.o1.tw	Method	TBLASTX:Wheat
Start	142	End	564
GI	none	Score	175
Exons	142..291, 159..284, 196..282, 271..381, 286..375, 288..380, 373..435, 384..419, 398..493, 493..564, 520..564		

Seq. No.	46265	Seq. ID	OJ000306_14.0410.C18
Gene No.	98129	Strand	+
Start	1	End	1314
Name	OJ000306_14.0410.C18.o1.gs	Method	GENSCAN
Start	148	End	1198
GI	none	Score	.41
Exons	148..1198		

Seq. No.	46266	Seq. ID	OJ000306_14.0410.C19
Gene No.	98130	Strand	+
Start	1	End	2501
Name	OJ000306_14.0410.C19.o1.np	Method	AAT/NAP
Start	1	End	2501
GI	4388818	Score	1971

Exons	1..2501		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	46266	Seq. ID	OJ000306_14.0410.C19
Gene No.	98131	Strand	-
Start	1	End	4965
Name	OJ000306_14.0410.C19.o2.np	Method	AAT/NAP
Start	1	End	4965
GI	5042454	Score	142
Exons	1..33, 4424..4551, 4884..4965		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	46266	Seq. ID	OJ000306_14.0410.C19
Gene No.	98131	Strand	-
Start	1	End	4965
Name	OJ000306_14.0410.C19.o4.tw	Method	TBLASTX:Wheat
Start	30	End	585
GI	none	Score	117
Exons	30..170, 83..163, 169..426, 255..386, 523..585		

Seq. No.	46266	Seq. ID	OJ000306_14.0410.C19
Gene No.	98131	Strand	-
Start	1	End	4965
Name	OJ000306_14.0410.C19.o3.tm	Method	TBLASTX:Maize
Start	169	End	585
GI	none	Score	297
Exons	169..504, 175..411, 183..443, 520..585		

Seq. No.	46266	Seq. ID	OJ000306_14.0410.C19
Gene No.	98131	Strand	-
Start	1	End	4965
Name	OJ000306_14.0410.C19.o1.ts	Method	TBLASTX:Soybean
Start	196	End	648
GI	none	Score	276
Exons	196..525, 225..443, 511..648		

Seq. No.	46266	Seq. ID	OJ000306_14.0410.C19
Gene No.	98131	Strand	-
Start	1	End	4965
Name	OJ000306_14.0410.C19.o1.tc	Method	TBLASTX:Cress
Start	214	End	681
GI	none	Score	186
Exons	214..507, 522..638, 523..681		

Seq. No.	46266	Seq. ID	OJ000306_14.0410.C19
Gene No.	98131	Strand	-
Start	1	End	4965
Name	OJ000306_14.0410.C19.o1.tw	Method	TBLASTX:Wheat
Start	861	End	1296
GI	none	Score	559
Exons	861..1238, 862..1296, 1090..1296		

Seq. No.	46266	Seq. ID	OJ000306_14.0410.C19
Gene No.	98131	Strand	-
Start	1	End	4965
Name	OJ000306_14.0410.C19.o4.tm	Method	TBLASTX:Maize

Start	1135	End	1565
GI	none	Score	197
Exons	1135..1236, 1138..1341, 1279..1341, 1346..1432, 1347..1565		

Seq. No.	46266	Seq. ID	OJ000306_14.0410.C19
Gene No.	98131	Strand	-
Start	1	End	4965
Name	OJ000306_14.0410.C19.o3.tc	Method	TBLASTX:Cress
Start	1138	End	1335
GI	none	Score	203
Exons	1138..1335, 1138..1335		

Seq. No.	46266	Seq. ID	OJ000306_14.0410.C19
Gene No.	98131	Strand	-
Start	1	End	4965
Name	OJ000306_14.0410.C19.o2.ts	Method	TBLASTX:Soybean
Start	1162	End	1553
GI	none	Score	179
Exons	1162..1341, 1182..1310, 1188..1424, 1343..1456, 1344..1550, 1393..1512, 1524..1553		

Seq. No.	46266	Seq. ID	OJ000306_14.0410.C19
Gene No.	98131	Strand	-
Start	1	End	4965
Name	OJ000306_14.0410.C19.o2.tw	Method	TBLASTX:Wheat
Start	1297	End	1919
GI	none	Score	48
Exons	1297..1341, 1343..1444, 1344..1448, 1485..1919, 1541..1675		

Seq. No.	46266	Seq. ID	OJ000306_14.0410.C19
Gene No.	98131	Strand	-
Start	1	End	4965
Name	OJ000306_14.0410.C19.o2.tm	Method	TBLASTX:Maize
Start	1568	End	2014
GI	none	Score	133
Exons	1568..1660, 1569..1730, 1696..1782, 1703..2014, 1704..2009, 1763..2011		

Seq. No.	46266	Seq. ID	OJ000306_14.0410.C19
Gene No.	98131	Strand	-
Start	1	End	4965
Name	OJ000306_14.0410.C19.o2.tc	Method	TBLASTX:Cress
Start	1893	End	2492
GI	none	Score	49
Exons	1893..2003, 2040..2120, 2121..2267, 2283..2492		

Seq. No.	46266	Seq. ID	OJ000306_14.0410.C19
Gene No.	98131	Strand	-
Start	1	End	4965
Name	OJ000306_14.0410.C19.o3.tw	Method	TBLASTX:Wheat
Start	1997	End	2468
GI	none	Score	170
Exons	1997..2206, 2046..2249, 2268..2468, 2277..2408		

Seq. No.	46266	Seq. ID	OJ000306_14.0410.C19
Gene No.	98131	Strand	-
Start	1	End	4965

Name	OJ000306_14.0410.C19.o1.tm	Method	TBLASTX:Maize
Start	2070	End	2496
GI	none	Score	545
Exons	2070..2492, 2072..2494, 2251..2496		

Seq. No.	46266	Seq. ID	OJ000306_14.0410.C19
Gene No.	98131	Strand	-
Start	1	End	4965
Name	OJ000306_14.0410.C19.o3.ts	Method	TBLASTX:Soybean
Start	2094	End	2492
GI	none	Score	295
Exons	2094..2369, 2096..2377, 2379..2492, 2393..2491		

Seq. No.	46266	Seq. ID	OJ000306_14.0410.C19
Gene No.	98131	Strand	-
Start	1	End	4965
Name	OJ000306_14.0410.C19.o2.gs	Method	GENSCAN
Start	4524	End	4881
GI	none	Score	.77
Exons	4524..4652, 4816..4881		

Seq. No.	46267	Seq. ID	OJ000306_14.0410.C21
Gene No.	98132	Strand	+
Start	1	End	1021
Name	OJ000306_14.0410.C21.o1.np	Method	AAT/NAP
Start	1	End	1021
GI	6069646	Score	510
Exons	1..56, 305..1021		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	46267	Seq. ID	OJ000306_14.0410.C21
Gene No.	98132	Strand	+
Start	1	End	1021
Name	OJ000306_14.0410.C21.o1.gs	Method	GENSCAN
Start	87	End	925
GI	none	Score	.44
Exons	87..189, 309..925		

Seq. No.	46267	Seq. ID	OJ000306_14.0410.C21
Gene No.	98132	Strand	+
Start	1	End	1021
Name	OJ000306_14.0410.C21.o1.tm	Method	TBLASTX:Maize
Start	290	End	703
GI	none	Score	358
Exons	290..703, 307..702		

Seq. No.	46267	Seq. ID	OJ000306_14.0410.C21
Gene No.	98132	Strand	+
Start	1	End	1021
Name	OJ000306_14.0410.C21.o1.tw	Method	TBLASTX:Wheat
Start	548	End	835
GI	none	Score	206
Exons	548..835, 718..834		

Seq. No.	46267	Seq. ID	OJ000306_14.0410.C21
Gene No.	98132	Strand	+
Start	1	End	1021
Name	OJ000306_14.0410.C21.o2.tm	Method	TBLASTX:Maize
Start	731	End	1012
GI	none	Score	246
Exons	731..1012, 733..777		

Seq. No.	46268	Seq. ID	OJ000316_11.0410.C2
Gene No.	98133	Strand	+
Start	1199	End	8456
Name	OJ000316_11.0410.C2.o2.np	Method	AAT/NAP
Start	1199	End	8456
GI	2583130	Score	1368
Exons	1199..1230, 5034..8456		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	46268	Seq. ID	OJ000316_11.0410.C2
Gene No.	98133	Strand	+
Start	1199	End	8456
Name	OJ000316_11.0410.C2.o2.gs	Method	GENSCAN
Start	3434	End	4880
GI	none	Score	.73
Exons	3434..3702, 3989..4880		

Seq. No.	46268	Seq. ID	OJ000316_11.0410.C2
Gene No.	98134	Strand	-
Start	117	End	2421
Name	OJ000316_11.0410.C2.o1.np	Method	AAT/NAP
Start	117	End	2421
GI	1931651	Score	659
Exons	117..239, 1114..1416, 1512..1775, 1862..1946, 2151..2421		
GI Descrip.	(U95973) membrane-associated salt-inducible protein isolog [Arabidopsis thaliana]		

Seq. No.	46268	Seq. ID	OJ000316_11.0410.C2
Gene No.	98134	Strand	-
Start	117	End	2421
Name	OJ000316_11.0410.C2.o1.gs	Method	GENSCAN
Start	135	End	2391
GI	none	Score	.87
Exons	135..239, 1114..1416, 1512..1775, 1862..1946, 2013..2120, 2189..2391		

Seq. No.	46268	Seq. ID	OJ000316_11.0410.C2
Gene No.	98134	Strand	-
Start	117	End	2421
Name	OJ000316_11.0410.C2.o1.gp	Method	AAT/GAP
Start	1382	End	2272
GI	uC-osflM202043h06b1	Score	936
Exons	1382..1416, 1512..1775, 1862..1946, 2151..2272		
GI Descrip.	'1931651 5.0e-36 (U95973) membrane-associated salt-inducible protein isolog [Arabidopsis thaliana]'		

Seq. No.	46268	Seq. ID	OJ000316_11.0410.C2

Gene No.	98135	Strand	
Start	5889	End	6278
Name	OJ000316_11.0410.C2.o2.ts	Method	TBLASTX:Soybean
Start	5889	End	6278
GI	none	Score	104
Exons	5889..6014, 5997..6278		

Seq. No.	46268	Seq. ID	OJ000316_11.0410.C2
Gene No.	98136	Strand	
Start	6531	End	6915
Name	OJ000316_11.0410.C2.o1.tw	Method	TBLASTX:Wheat
Start	6531	End	6909
GI	none	Score	81
Exons	6531..6695, 6531..6608, 6532..6732, 6532..6660, 6717..6893, 6727..6894, 6742..6909		

Seq. No.	46268	Seq. ID	OJ000316_11.0410.C2
Gene No.	98136	Strand	
Start	6531	End	6915
Name	OJ000316_11.0410.C2.o2.tm	Method	TBLASTX:Maize
Start	6658	End	6903
GI	none	Score	182
Exons	6658..6903, 6679..6756, 6831..6902		

Seq. No.	46268	Seq. ID	OJ000316_11.0410.C2
Gene No.	98136	Strand	
Start	6531	End	6915
Name	OJ000316_11.0410.C2.o3.ts	Method	TBLASTX:Soybean
Start	6658	End	6915
GI	none	Score	182
Exons	6658..6915		

Seq. No.	46268	Seq. ID	OJ000316_11.0410.C2
Gene No.	98137	Strand	
Start	7066	End	7671
Name	OJ000316_11.0410.C2.o4.tw	Method	TBLASTX:Wheat
Start	7066	End	7320
GI	none	Score	218
Exons	7066..7320, 7173..7316		

Seq. No.	46268	Seq. ID	OJ000316_11.0410.C2
Gene No.	98137	Strand	
Start	7066	End	7671
Name	OJ000316_11.0410.C2.o1.ts	Method	TBLASTX:Soybean
Start	7186	End	7605
GI	none	Score	97
Exons	7186..7368, 7393..7605, 7413..7604		

Seq. No.	46268	Seq. ID	OJ000316_11.0410.C2
Gene No.	98137	Strand	
Start	7066	End	7671
Name	OJ000316_11.0410.C2.o1.tm	Method	TBLASTX:Maize
Start	7261	End	7632
GI	none	Score	275
Exons	7261..7632		

Seq. No.	46268	Seq. ID	OJ000316_11.0410.C2

Gene No.	98137	Strand	
Start	7066	End	7671
Name	OJ000316_11.0410.C2.o2.tw	Method	TBLASTX:Wheat
Start	7324	End	7671
GI	none	Score	63
Exons	7324..7368, 7372..7671, 7374..7670		

Seq. No.	46268	Seq. ID	OJ000316_11.0410.C2
Gene No.	98138	Strand	
Start	8084	End	8422
Name	OJ000316_11.0410.C2.o3.tw	Method	TBLASTX:Wheat
Start	8084	End	8422
GI	none	Score	161
Exons	8084..8299, 8085..8309, 8309..8401, 8318..8422		

Seq. No.	46269	Seq. ID	OJ000316_11.0410.C3
Gene No.	98139	Strand	-
Start	1	End	220
Name	OJ000316_11.0410.C3.o1.gp	Method	AAT/GAP
Start	1	End	220
GI	24989_1.R1084	Score	327
Exons	1..220		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-13 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	46269	Seq. ID	OJ000316_11.0410.C3
Gene No.	98140	Strand	-
Start	1141	End	2489
Name	OJ000316_11.0410.C3.o2.gp	Method	AAT/GAP
Start	953	End	2430
GI	3760631	Score	868
Exons	953..1224, 1320..1370, 1530..1656, 2376..2430		

Seq. No.	46269	Seq. ID	OJ000316_11.0410.C3
Gene No.	98140	Strand	-
Start	1141	End	2489
Name	OJ000316_11.0410.C3.o1.tm	Method	TBLASTX:Maize
Start	1095	End	1636
GI	none	Score	120
Exons	1095..1223, 1096..1227, 1097..1222, 1319..1372, 1320..1373, 1320..1382, 1528..1599, 1529..1600, 1544..1600, 1604..1636		

Seq. No.	46269	Seq. ID	OJ000316_11.0410.C3
Gene No.	98140	Strand	-
Start	1141	End	2489
Name	OJ000316_11.0410.C3.o1.gs	Method	GENSCAN
Start	1141	End	2489
GI	none	Score	.53
Exons	1141..1282, 1320..1370, 1530..1656, 2376..2489		

Seq. No.	46270	Seq. ID	OJ000316_11.0410.C4
Gene No.	98141	Strand	-
Start	281	End	711
Name	OJ000316_11.0410.C4.o1.gp	Method	AAT/GAP
Start	281	End	711
GI	286302	Score	617
Exons	281..476, 560..711		

Seq. No.	46270	Seq. ID	OJ000316_11.0410.C4
Gene No.	98142	Strand	-
Start	1889	End	2629
Name	OJ000316_11.0410.C4.o2.gs	Method	GENSCAN
Start	1889	End	2629
GI	none	Score	.79
Exons	1889..2161, 2450..2629		

Seq. No.	46270	Seq. ID	OJ000316_11.0410.C4
Gene No.	98143	Strand	-
Start	2845	End	2919
Name	OJ000316_11.0410.C4.o1.tm	Method	TBLASTX:Maize
Start	1848	End	2121
GI	none	Score	91
Exons	1848..1979, 1898..1993, 1906..1986, 1907..1993, 2015..2119, 2016..2120, 2017..2121		

Seq. No.	46270	Seq. ID	OJ000316_11.0410.C4
Gene No.	98143	Strand	-
Start	2845	End	2919
Name	OJ000316_11.0410.C4.o2.gp	Method	AAT/GAP
Start	2845	End	2919
GI	568652	Score	135
Exons	2845..2919		

Seq. No.	46271	Seq. ID	OJ000316_11.0410.C5
Gene No.	98144	Strand	-
Start	427	End	1007
Name	OJ000316_11.0410.C5.o1.gs	Method	GENSCAN
Start	427	End	1007
GI	none	Score	.9
Exons	427..632, 639..1007		

Seq. No.	46272	Seq. ID	OJ000316_11.0410.C6
Gene No.	98145	Strand	-
Start	1	End	1313
Name	OJ000316_11.0410.C6.o1.np	Method	AAT/NAP
Start	1	End	1306
GI	7437672	Score	1136
Exons	1..112, 196..375, 469..652, 730..832, 1084..1306		
GI Descrip.	serine--tRNA ligase (EC 6.1.1.11) - maize gi|3319776|emb|CAA07600.1| (AJ007665) seryl-tRNA synthetase [Zea mays]		

Seq. No.	46272	Seq. ID	OJ000316_11.0410.C6
Gene No.	98145	Strand	-
Start	1	End	1313
Name	OJ000316_11.0410.C6.o2.tm	Method	TBLASTX:Maize
Start	1	End	376
GI	none	Score	121
Exons	1..87, 2..91, 3..98, 89..115, 90..113, 193..366, 194..376		

Seq. No.	46272	Seq. ID	OJ000316_11.0410.C6
Gene No.	98145	Strand	-
Start	1	End	1313
Name	OJ000316_11.0410.C6.o1.tc	Method	TBLASTX:Cress

Start	2	End	1278
GI	none	Score	107
Exons	2..115, 3..107, 5..115, 196..366, 197..367, 460..654, 472..636, 477..653, 521..655, 731..835, 741..833, 1078..1278, 1083..1205, 1084..1233, 1118..1246		

Seq. No.	46272	Seq. ID	OJ000316_11.0410.C6
Gene No.	98145	Strand	-
Start	1	End	1313
Name	OJ000316_11.0410.C6.o1.gp	Method	AAT/GAP
Start	17	End	782
GI	10374_1.R1084	Score	912
Exons	17..112, 196..375, 469..652, 730..782		
GI Descrip.	'3319776/emb|CAA07600| 4.0e-35 (AJ007665) seryl-tRNA synthetase [Zea mays]'		

Seq. No.	46272	Seq. ID	OJ000316_11.0410.C6
Gene No.	98145	Strand	-
Start	1	End	1313
Name	OJ000316_11.0410.C6.o1.tw	Method	TBLASTX:Wheat
Start	56	End	373
GI	none	Score	88
Exons	56..115, 57..113, 61..114, 189..311, 196..366, 197..373, 197..367		

Seq. No.	46272	Seq. ID	OJ000316_11.0410.C6
Gene No.	98145	Strand	-
Start	1	End	1313
Name	OJ000316_11.0410.C6.o1.gs	Method	GENSCAN
Start	196	End	1306
GI	none	Score	.8
Exons	196..375, 469..652, 726..832, 1048..1306		

Seq. No.	46272	Seq. ID	OJ000316_11.0410.C6
Gene No.	98145	Strand	-
Start	1	End	1313
Name	OJ000316_11.0410.C6.o1.ts	Method	TBLASTX:Soybean
Start	196	End	1278
GI	none	Score	49
Exons	196..270, 197..268, 268..366, 269..469, 460..654, 475..633, 521..658, 731..835, 747..833, 1078..1278, 1080..1208, 1118..1246		

Seq. No.	46272	Seq. ID	OJ000316_11.0410.C6
Gene No.	98145	Strand	-
Start	1	End	1313
Name	OJ000316_11.0410.C6.o1.tm	Method	TBLASTX:Maize
Start	469	End	1313
GI	none	Score	200
Exons	469..639, 469..654, 518..655, 739..828, 740..835, 741..833, 741..839, 1078..1308, 1083..1313, 1086..1277, 1087..1278		

Seq. No.	46272	Seq. ID	OJ000316_11.0410.C6
Gene No.	98145	Strand	-
Start	1	End	1313
Name	OJ000316_11.0410.C6.o2.gp	Method	AAT/GAP
Start	938	End	1296
GI	3107670	Score	653

Exons	938..1296		
GI Descrip.	3319776/emb|CAA07600| 4.0e-35 (AJ007665) seryl-tRNA synthetase [Zea mays]		
Seq. No.	46273	Seq. ID	OJ000316_11.0410.C7
Gene No.	98146	Strand	-
Start	1	End	1012
Name	OJ000316_11.0410.C7.o1.np	Method	AAT/NAP
Start	1	End	923
GI	7437672	Score	403
Exons	1..30, 372..533, 617..692, 791..923		
GI Descrip.	serine--tRNA ligase (EC 6.1.1.11) - maize gi|3319776|emb|CAA07600.1| (AJ007665) seryl-tRNA synthetase [Zea mays]		
Seq. No.	46273	Seq. ID	OJ000316_11.0410.C7
Gene No.	98146	Strand	-
Start	1	End	1012
Name	OJ000316_11.0410.C7.o1.gp	Method	AAT/GAP
Start	362	End	975
GI	24959_1.R1084	Score	626
Exons	362..533, 623..692, 791..975		
GI Descrip.	'3319776/emb|CAA07600| 4.0e-43 (AJ007665) seryl-tRNA synthetase [Zea mays]'		
Seq. No.	46273	Seq. ID	OJ000316_11.0410.C7
Gene No.	98146	Strand	-
Start	1	End	1012
Name	OJ000316_11.0410.C7.o1.gs	Method	GENSCAN
Start	372	End	1012
GI	none	Score	.57
Exons	372..533, 623..711, 791..1012		
Seq. No.	46273	Seq. ID	OJ000316_11.0410.C7
Gene No.	98146	Strand	-
Start	1	End	1012
Name	OJ000316_11.0410.C7.o1.tm	Method	TBLASTX:Maize
Start	372	End	933
GI	none	Score	75
Exons	372..443, 372..554, 373..555, 623..667, 629..700, 780..923, 790..924, 853..933		
Seq. No.	46273	Seq. ID	OJ000316_11.0410.C7
Gene No.	98146	Strand	-
Start	1	End	1012
Name	OJ000316_11.0410.C7.o1.ts	Method	TBLASTX:Soybean
Start	372	End	926
GI	none	Score	80
Exons	372..527, 373..528, 626..667, 780..926		
Seq. No.	46274	Seq. ID	OJ000316_11.0410.C8
Gene No.	98147	Strand	+
Start	707	End	958
Name	OJ000316_11.0410.C8.o1.gp	Method	AAT/GAP
Start	707	End	958
GI	47659_1.R1084	Score	424
Exons	707..958		

GI Descrip.	'3413717 4.0e-15 (AC004747) unknown protein [Arabidopsis thaliana] >gi_3643590 (AC005395) unknown protein [Arabidopsis thaliana]'		
Seq. No.	46274	Seq. ID	OJ000316_11.0410.C8
Gene No.	98148	Strand	-
Start	657	End	755
Name	OJ000316_11.0410.C8.o1.gs	Method	GENSCAN
Start	657	End	755
GI	none	Score	.42
Exons	657..755		
Seq. No.	46275	Seq. ID	OJ000316_11.0410.C10
Gene No.	98149	Strand	-
Start	98	End	2884
Name	OJ000316_11.0410.C10.o1.tm	Method	TBLASTX:Maize
Start	92	End	2884
GI	none	Score	39
Exons	92..136, 99..137, 166..237, 254..337, 261..353, 405..452, 432..608, 432..614, 433..615, 433..615, 804..839, 814..840, 842..1045, 843..1052, 1112..1201, 1128..1340, 1128..1340, 1129..1341, 1241..1345, 1414..1494, 1416..1493, 2291..2497, 2292..2498, 2298..2498, 2299..2499, 2587..2619, 2589..2684, 2590..2679, 2785..2883, 2786..2884, 2787..2882		
Seq. No.	46275	Seq. ID	OJ000316_11.0410.C10
Gene No.	98149	Strand	-
Start	98	End	2884
Name	OJ000316_11.0410.C10.o1.gp	Method	AAT/GAP
Start	98	End	2884
GI	101_1.R1084	Score	2561
Exons	98..614, 816..1021, 1128..1340, 1419..1467, 2298..2497, 2592..2677, 2787..2884		
GI Descrip.	'5926740/dbj|BAA84650.1| 0.0e+00 (AB025310) asparaginyl endopeptidase [Oryza sativa]'		
Seq. No.	46275	Seq. ID	OJ000316_11.0410.C10
Gene No.	98149	Strand	-
Start	98	End	2884
Name	OJ000316_11.0410.C10.o1.gs	Method	GENSCAN
Start	318	End	2807
GI	none	Score	.83
Exons	318..352, 504..645, 816..1021, 1128..1356, 2298..2497, 2592..2807		
Seq. No.	46275	Seq. ID	OJ000316_11.0410.C10
Gene No.	98149	Strand	-
Start	98	End	2884
Name	OJ000316_11.0410.C10.o1.ts	Method	TBLASTX:Soybean
Start	384	End	2883
GI	none	Score	155
Exons	384..452, 441..614, 445..615, 445..615, 798..839, 842..1045, 1119..1295, 1120..1302, 1128..1301, 1398..1493, 1414..1494, 2294..2494, 2298..2498, 2300..2497, 2587..2679, 2589..2684, 2589..2684, 2784..2828, 2785..2883, 2799..2879		
Seq. No.	46275	Seq. ID	OJ000316_11.0410.C10

Gene No.	98149	Strand	-
Start	98	End	2884
Name	OJ000316_11.0410.C10.o1.np	Method	AAT/NAP
Start	435	End	2884
GI	5926740	Score	1636
Exons	435..614, 816..1021, 1128..1340, 1419..1467, 2298..2497, 2592..2677, 2787..2884		
GI Descrip.	(AB025310) asparaginyl endopeptidase [Oryza sativa]		

Seq. No.	46275	Seq. ID	OJ000316_11.0410.C10
Gene No.	98149	Strand	-
Start	98	End	2884
Name	OJ000316_11.0410.C10.o1.tc	Method	TBLASTX:Cress
Start	486	End	2880
GI	none	Score	122
Exons	486..614, 490..615, 804..839, 813..848, 899..1045, 900..1052, 1117..1170, 1134..1169, 1215..1340, 1278..1337, 1279..1341, 1398..1493, 1411..1494, 2298..2486, 2300..2491, 2300..2497, 2301..2498, 2589..2684, 2591..2689, 2599..2679, 2785..2880, 2786..2830		

Seq. No.	46275	Seq. ID	OJ000316_11.0410.C10
Gene No.	98149	Strand	-
Start	98	End	2884
Name	OJ000316_11.0410.C10.o1.tw	Method	TBLASTX:Wheat
Start	1234	End	2624
GI	none	Score	66
Exons	1234..1347, 1236..1340, 1240..1341, 1414..1473, 1416..1493, 2294..2494, 2298..2498, 2299..2499, 2300..2497, 2564..2620, 2587..2622, 2587..2619, 2589..2624		

Seq. No.	46276	Seq. ID	OJ000316_11.0410.C11
Gene No.	98150	Strand	-
Start	1	End	163
Name	OJ000316_11.0410.C11.o1.gp	Method	AAT/GAP
Start	1	End	163
GI	101_1.R1084	Score	311
Exons	1..163		
GI Descrip.	'5926740/dbj|BAA84650.1| 0.0e+00 (AB025310) asparaginyl endopeptidase [Oryza sativa]'		

Seq. No.	46276	Seq. ID	OJ000316_11.0410.C11
Gene No.	98150	Strand	-
Start	1	End	163
Name	OJ000316_11.0410.C11.o1.gs	Method	GENSCAN
Start	10	End	84
GI	none	Score	.94
Exons	10..84		

Seq. No.	46276	Seq. ID	OJ000316_11.0410.C11
Gene No.	98151	Strand	-
Start	845	End	1997
Name	OJ000316_11.0410.C11.o2.gs	Method	GENSCAN
Start	845	End	1997
GI	none	Score	.49
Exons	845..996, 1874..1997		

Seq. No.	46277	Seq. ID	OJ000316_11.0410.C12
Gene No.	98152	Strand	+
Start	2052	End	4246
Name	OJ000316_11.0410.C12.o1.np	Method	AAT/NAP
Start	2052	End	4246
GI	6063557	Score	381
Exons	2052..2297, 2546..2768, 4195..4246		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	46277	Seq. ID	OJ000316_11.0410.C12
Gene No.	98153	Strand	-
Start	1991	End	3068
Name	OJ000316_11.0410.C12.o2.gs	Method	GENSCAN
Start	1991	End	3068
GI	none	Score	.81
Exons	1991..2307, 3014..3068		

Seq. No.	46278	Seq. ID	OJ000316_11.0410.C13
Gene No.	98154	Strand	+
Start	1305	End	4223
Name	OJ000316_11.0410.C13.o1.gp	Method	AAT/GAP
Start	1305	End	1816
GI	uC-osf1M202052c07b1	Score	983
Exons	1305..1816		
GI Descrip.	'4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'		

Seq. No.	46278	Seq. ID	OJ000316_11.0410.C13
Gene No.	98154	Strand	+
Start	1305	End	4223
Name	OJ000316_11.0410.C13.o1.np	Method	AAT/NAP
Start	1415	End	4223
GI	7489738	Score	1276
Exons	1415..1591, 1625..4223		
GI Descrip.	gag-pol polyprotein - maize copia-like retrotransposon Sto-4 gi|4234852|gb|AAD12997.1| (AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	46278	Seq. ID	OJ000316_11.0410.C13
Gene No.	98154	Strand	+
Start	1305	End	4223
Name	OJ000316_11.0410.C13.o1.tm	Method	TBLASTX:Maize
Start	1508	End	2453
GI	none	Score	474
Exons	1508..2086, 1630..2076, 1832..2110, 2169..2261, 2364..2453, 2367..2447		

Seq. No.	46278	Seq. ID	OJ000316_11.0410.C13
Gene No.	98154	Strand	+
Start	1305	End	4223
Name	OJ000316_11.0410.C13.o2.gp	Method	AAT/GAP
Start	2048	End	2608
GI	uC-osflcyp006a10b1	Score	769
Exons	2048..2262, 2370..2608		
GI Descrip.	'4234846 7.0e-13 (AF082130) gag-pol polyprotein [Zea mays]'		

Seq. No.	46278	Seq. ID	OJ000316_11.0410.C13
Gene No.	98154	Strand	+

Start	1305	End	4223
Name	OJ000316_11.0410.C13.o1.ts	Method	TBLASTX:Soybean
Start	3383	End	3796
GI	5509260	Score	155
Exons	3383..3583, 3580..3702, 3695..3796		
GI Descrip.	-		

Seq. No.	46278	Seq. ID	OJ000316_11.0410.C13
Gene No.	98154	Strand	+
Start	1305	End	4223
Name	OJ000316_11.0410.C13.o2.tm	Method	TBLASTX:Maize
Start	3383	End	3681
GI	none	Score	164
Exons	3383..3583, 3580..3681		

Seq. No.	46278	Seq. ID	OJ000316_11.0410.C13
Gene No.	98154	Strand	+
Start	1305	End	4223
Name	OJ000316_11.0410.C13.o1.tw	Method	TBLASTX:Wheat
Start	3502	End	4089
GI	none	Score	74
Exons	3502..3582, 3503..3583, 3579..3692, 3580..3702, 3698..3796, 3698..3781, 3706..3792, 3792..3875, 3882..4082, 3910..4089, 3918..4088		

Seq. No.	46279	Seq. ID	OJ000316_11.0410.C14
Gene No.	98155	Strand	
Start	123	End	450
Name	OJ000316_11.0410.C14.o1.tm	Method	TBLASTX:Maize
Start	123	End	450
GI	none	Score	55
Exons	123..212, 124..282, 125..283, 134..283, 354..434, 358..450, 359..448		

Seq. No.	46280	Seq. ID	OJ000316_11.0410.C15
Gene No.	98156	Strand	+
Start	392	End	662
Name	OJ000316_11.0410.C15.o1.gp	Method	AAT/GAP
Start	392	End	662
GI	none	Score	513
Exons	392..662		

Seq. No.	46280	Seq. ID	OJ000316_11.0410.C15
Gene No.	98157	Strand	+
Start	1274	End	1357
Name	OJ000316_11.0410.C15.o1.np	Method	AAT/NAP
Start	1274	End	1357
GI	7487199	Score	95
Exons	1274..1357		
GI Descrip.	hypothetical protein T19L18.24 - Arabidopsis thaliana gi|3413717|gb|AAC31240.1| (AC004747) unknown protein [Arabidopsis thaliana]		

Seq. No.	46280	Seq. ID	OJ000316_11.0410.C15
Gene No.	98158	Strand	+
Start	1274	End	1357
Name	OJ000316_11.0410.C15.o1.gs	Method	GENSCAN

Start	1274	End	1357
GI	none	Score	.95
Exons	1274..1357		

Seq. No.	46281	Seq. ID	OJ000316_11.0410.C16
Gene No.	98159	Strand	+
Start	1	End	1568
Name	OJ000316_11.0410.C16.o1.np	Method	AAT/NAP
Start	1	End	1568
GI	7487199	Score	103
Exons	1..20, 943..1019, 1127..1186, 1550..1568		
GI Descrip.	hypothetical protein T19L18.24 - Arabidopsis thaliana gi|3413717|gb|AAC31240.1| (AC004747) unknown protein [Arabidopsis thaliana]		

Seq. No.	46281	Seq. ID	OJ000316_11.0410.C16
Gene No.	98159	Strand	+
Start	1	End	1568
Name	OJ000316_11.0410.C16.o1.gp	Method	AAT/GAP
Start	184	End	1177
GI	24806_1.R1084	Score	1750
Exons	184..1019, 1127..1177		
GI Descrip.	'3413717 1.0e-12 (AC004747) unknown protein [Arabidopsis thaliana] >gi_3643590 (AC005395) unknown protein [Arabidopsis thaliana]'		

Seq. No.	46281	Seq. ID	OJ000316_11.0410.C16
Gene No.	98159	Strand	+
Start	1	End	1568
Name	OJ000316_11.0410.C16.o1.gs	Method	GENSCAN
Start	825	End	1184
GI	none	Score	.87
Exons	825..849, 942..1019, 1127..1184		

Seq. No.	46281	Seq. ID	OJ000316_11.0410.C16
Gene No.	98159	Strand	+
Start	1	End	1568
Name	OJ000316_11.0410.C16.o1.tc	Method	TBLASTX:Cress
Start	942	End	1342
GI	none	Score	100
Exons	942..1022, 942..1022, 943..1029, 943..1026, 1127..1192, 1128..1196, 1264..1320, 1271..1342		

Seq. No.	46281	Seq. ID	OJ000316_11.0410.C16
Gene No.	98159	Strand	+
Start	1	End	1568
Name	OJ000316_11.0410.C16.o1.ts	Method	TBLASTX:Soybean
Start	942	End	1342
GI	none	Score	84
Exons	942..1022, 942..1022, 943..1029, 943..1026, 1127..1195, 1128..1199, 1263..1319, 1267..1320, 1271..1342		

Seq. No.	46281	Seq. ID	OJ000316_11.0410.C16
Gene No.	98159	Strand	+
Start	1	End	1568
Name	OJ000316_11.0410.C16.o1.tm	Method	TBLASTX:Maize
Start	942	End	1300

GI	none	Score	120
Exons	942..1022, 942..1022, 943..1029, 943..1026, 947..1045, 1127..1192, 1128..1190, 1270..1299, 1271..1300		

Seq. No.	46282	Seq. ID	OJ000316_11.0410.C25
Gene No.	98160	Strand	-
Start	1	End	1684
Name	OJ000316_11.0410.C25.o1.np	Method	AAT/NAP
Start	1	End	1684
GI	7228457	Score	2403
Exons	1..1564, 1626..1684		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	46282	Seq. ID	OJ000316_11.0410.C25
Gene No.	98160	Strand	-
Start	1	End	1684
Name	OJ000316_11.0410.C25.o2.tw	Method	TBLASTX:Wheat
Start	44	End	334
GI	none	Score	89
Exons	44..169, 142..333, 143..334		

Seq. No.	46282	Seq. ID	OJ000316_11.0410.C25
Gene No.	98160	Strand	-
Start	1	End	1684
Name	OJ000316_11.0410.C25.o1.gs	Method	GENSCAN
Start	185	End	1653
GI	none	Score	.73
Exons	185..1653		

Seq. No.	46282	Seq. ID	OJ000316_11.0410.C25
Gene No.	98160	Strand	-
Start	1	End	1684
Name	OJ000316_11.0410.C25.o1.tw	Method	TBLASTX:Wheat
Start	946	End	1338
GI	none	Score	83
Exons	946..1203, 1058..1219, 1186..1284, 1187..1267, 1291..1338		

Seq. No.	46282	Seq. ID	OJ000316_11.0410.C25
Gene No.	98160	Strand	-
Start	1	End	1684
Name	OJ000316_11.0410.C25.o1.tm	Method	TBLASTX:Maize
Start	1048	End	1333
GI	none	Score	89
Exons	1048..1296, 1049..1333		

Seq. No.	46283	Seq. ID	OJ000316_11.0410.C26
Gene No.	98161	Strand	+
Start	706	End	1121
Name	OJ000316_11.0410.C26.o1.gs	Method	GENSCAN
Start	706	End	1121
GI	none	Score	.42
Exons	706..760, 779..854, 1016..1121		

Seq. No.	46283	Seq. ID	OJ000316_11.0410.C26
Gene No.	98161	Strand	+

Start	706	End	1121
Name	OJ000316_11.0410.C26.o2.np	Method	AAT/NAP
Start	907	End	1032
GI	7523512	Score	116
Exons	907..1032		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	46283	Seq. ID	OJ000316_11.0410.C26
Gene No.	98162	Strand	-
Start	52	End	2059
Name	OJ000316_11.0410.C26.o1.np	Method	AAT/NAP
Start	52	End	2059
GI	5042454	Score	247
Exons	52..105, 436..611, 1973..2059		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	46283	Seq. ID	OJ000316_11.0410.C26
Gene No.	98162	Strand	-
Start	52	End	2059
Name	OJ000316_11.0410.C26.o1.gp	Method	AAT/GAP
Start	168	End	577
GI	uC-osflcyp172a09a1	Score	533
Exons	168..217, 254..577		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	46284	Seq. ID	OJ000316_11.0410.C28
Gene No.	98163	Strand	+
Start	46	End	939
Name	OJ000316_11.0410.C28.o1.np	Method	AAT/NAP
Start	46	End	939
GI	5042454	Score	92
Exons	46..284, 918..939		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	46284	Seq. ID	OJ000316_11.0410.C28
Gene No.	98163	Strand	+
Start	46	End	939
Name	OJ000316_11.0410.C28.o2.np	Method	AAT/NAP
Start	294	End	939
GI	4234854	Score	668
Exons	294..939		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	46284	Seq. ID	OJ000316_11.0410.C28
Gene No.	98163	Strand	+
Start	46	End	939
Name	OJ000316_11.0410.C28.o1.tm	Method	TBLASTX:Maize
Start	295	End	549
GI	none	Score	210
Exons	295..549, 429..548		

Seq. No.	46285	Seq. ID	OJ000316_11.0410.C29
Gene No.	98164	Strand	+
Start	1344	End	3278
Name	OJ000316_11.0410.C29.o1.gs	Method	GENSCAN
Start	1344	End	3278

GI	none	Score	.64
Exons	1344..1446, 3013..3278		

Seq. No.	46286	Seq. ID	OJ000316_11.0410.C30
Gene No.	98165	Strand	+
Start	1	End	2232
Name	OJ000316_11.0410.C30.o2.np	Method	AAT/NAP
Start	1	End	2232
GI	1175759	Score	242
Exons	1..199, 299..545, 642..767, 994..1135, 2171..2232		
GI Descrip.	PROBABLE ZINC PROTEASE PQQL gi|1074746|pir||E64171 hypothetical protein HI1368 - Haemophilus influenzae (strain Rd KW20) gi|1574200|gb|AAC23015.1| (U32816) zinc protease, putative [Haemophilus influenzae Rd]		

Seq. No.	46286	Seq. ID	OJ000316_11.0410.C30
Gene No.	98165	Strand	+
Start	1	End	2232
Name	OJ000316_11.0410.C30.o1.ts	Method	TBLASTX:Soybean
Start	3	End	509
GI	none	Score	197
Exons	3..209, 146..220, 299..508, 327..509		

Seq. No.	46286	Seq. ID	OJ000316_11.0410.C30
Gene No.	98165	Strand	+
Start	1	End	2232
Name	OJ000316_11.0410.C30.o1.gs	Method	GENSCAN
Start	54	End	1716
GI	none	Score	.76
Exons	54..199, 299..545, 642..767, 994..1131, 1216..1357, 1619..1716		

Seq. No.	46286	Seq. ID	OJ000316_11.0410.C30
Gene No.	98165	Strand	+
Start	1	End	2232
Name	OJ000316_11.0410.C30.o1.np	Method	AAT/NAP
Start	62	End	2232
GI	2507259	Score	192
Exons	62..199, 299..545, 642..767, 994..1131, 2185..2232		
GI Descrip.	PROBABLE ZINC PROTEASE PQQL gi|7466882|pir||A64903 probable zinc proteinase yddC (EC 3.4.99.-) - Escherichia coli gi|1787770|gb|AAC74567.1| (AE000246) putative peptidase [Escherichia coli]		

Seq. No.	46286	Seq. ID	OJ000316_11.0410.C30
Gene No.	98165	Strand	+
Start	1	End	2232
Name	OJ000316_11.0410.C30.o2.ts	Method	TBLASTX:Soybean
Start	702	End	1275
GI	none	Score	90
Exons	702..764, 988..1131, 992..1096, 993..1133, 1209..1253, 1213..1254, 1222..1275		

Seq. No.	46286	Seq. ID	OJ000316_11.0410.C30
Gene No.	98165	Strand	+
Start	1	End	2232
Name	OJ000316_11.0410.C30.o1.tc	Method	TBLASTX:Cress
Start	1303	End	1701

GI	none	Score	79
Exons	1303..1377, 1308..1352, 1427..1654, 1458..1685, 1459..1701		

Seq. No.	46287	Seq. ID	OJ000316_11.0410.C31
Gene No.	98166	Strand	
Start	565	End	693
Name	OJ000316_11.0410.C31.o1.tm	Method	TBLASTX:Maize
Start	565	End	693
GI	none	Score	208
Exons	565..693, 567..692		

Seq. No.	46288	Seq. ID	OJ000316_11.0410.C33
Gene No.	98167	Strand	+
Start	141	End	249
Name	OJ000316_11.0410.C33.o1.gs	Method	GENSCAN
Start	141	End	249
GI	none	Score	.79
Exons	141..249		

Seq. No.	46289	Seq. ID	OJ000316_11.0410.C34
Gene No.	98168	Strand	-
Start	46	End	575
Name	OJ000316_11.0410.C34.o1.gp	Method	AAT/GAP
Start	46	End	575
GI	none	Score	933
Exons	46..575		

Seq. No.	46289	Seq. ID	OJ000316_11.0410.C34
Gene No.	98169	Strand	-
Start	1436	End	1597
Name	OJ000316_11.0410.C34.o2.gs	Method	GENSCAN
Start	1436	End	1597
GI	none	Score	.41
Exons	1436..1597		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98170	Strand	+
Start	1977	End	5278
Name	OJ000316_11.0410.C35.o1.np	Method	AAT/NAP
Start	1977	End	5275
GI	6907089	Score	4156
Exons	1977..3235, 3335..5275		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98170	Strand	+
Start	1977	End	5278
Name	OJ000316_11.0410.C35.o2.gs	Method	GENSCAN
Start	1977	End	5278
GI	none	Score	.68
Exons	1977..3235, 3335..3962, 4087..4812, 4976..5278		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98171	Strand	+
Start	12113	End	13631
Name	OJ000316_11.0410.C35.o3.np	Method	AAT/NAP
Start	12113	End	13631

GI	5922623	Score	281
Exons	12113..12193, 12565..12712, 12879..12954, 13615..13631		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98172	Strand	+
Start	13796	End	17023
Name	OJ000316_11.0410.C35.o4.np	Method	AAT/NAP
Start	13796	End	17020
GI	6907089	Score	4068
Exons	13796..15057, 15150..17020		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98172	Strand	+
Start	13796	End	17023
Name	OJ000316_11.0410.C35.o5.gs	Method	GENSCAN
Start	13796	End	17023
GI	none	Score	.89
Exons	13796..15057, 15150..16578, 16580..17023		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98173	Strand	-
Start	72	End	1095
Name	OJ000316_11.0410.C35.o1.gs	Method	GENSCAN
Start	72	End	1095
GI	none	Score	.81
Exons	72..257, 326..500, 720..766, 1042..1095		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98174	Strand	-
Start	5881	End	12036
Name	OJ000316_11.0410.C35.o3.gs	Method	GENSCAN
Start	5881	End	9546
GI	none	Score	.89
Exons	5881..9546		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98174	Strand	-
Start	5881	End	12036
Name	OJ000316_11.0410.C35.o2.np	Method	AAT/NAP
Start	5884	End	12036
GI	7228457	Score	9259
Exons	5884..7434, 7501..8652, 8775..9609, 9673..11608, 11670..12036		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98174	Strand	-
Start	5881	End	12036
Name	OJ000316_11.0410.C35.o4.gs	Method	GENSCAN
Start	9610	End	12036
GI	none	Score	.63
Exons	9610..12036		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-
Start	17657	End	18908
Name	OJ000316_11.0410.C35.o6.tw	Method	TBLASTX:Wheat
Start	1848	End	18271
GI	none	Score	83
Exons	1848..1937, 5893..6018, 5897..6019, 6204..6494, 6211..6495, 6212..6490, 17669..17794, 17673..17795, 17825..17908, 17938..18126, 17986..18174, 17987..18130, 18167..18271, 18168..18266, 18196..18267		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-
Start	17657	End	18908
Name	OJ000316_11.0410.C35.o4.tm	Method	TBLASTX:Maize
Start	5884	End	17800
GI	none	Score	120
Exons	5884..6024, 5900..6019, 17630..17800, 17631..17795		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-
Start	17657	End	18908
Name	OJ000316_11.0410.C35.o4.tw	Method	TBLASTX:Wheat
Start	6496	End	18653
GI	none	Score	165
Exons	6496..6876, 6527..6775, 6821..6877, 18272..18652, 18303..18551, 18597..18653		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-
Start	17657	End	18908
Name	OJ000316_11.0410.C35.o2.tm	Method	TBLASTX:Maize
Start	6682	End	18790
GI	none	Score	90
Exons	6682..6894, 6691..7014, 6704..6985, 6888..6926, 18467..18790, 18480..18773		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-
Start	17657	End	18908
Name	OJ000316_11.0410.C35.o8.tw	Method	TBLASTX:Wheat
Start	7207	End	7519
GI	none	Score	67
Exons	7207..7467, 7343..7519		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-
Start	17657	End	18908
Name	OJ000316_11.0410.C35.o2.ts	Method	TBLASTX:Soybean
Start	7267	End	7833
GI	5666795	Score	68
Exons	7267..7467, 7522..7659, 7735..7833		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-

Start	17657	End	18908
Name	OJ000316_11.0410.C35.o5.tw	Method	TBLASTX:Wheat
Start	7522	End	7983
GI	none	Score	92
Exons	7522..7671, 7523..7660, 7525..7662, 7718..7891, 7732..7983, 7732..7956		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-
Start	17657	End	18908
Name	OJ000316_11.0410.C35.o1.ts	Method	TBLASTX:Soybean
Start	8581	End	8952
GI	none	Score	90
Exons	8581..8952, 8792..8935		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-
Start	17657	End	18908
Name	OJ000316_11.0410.C35.o2.tw	Method	TBLASTX:Wheat
Start	8606	End	9030
GI	none	Score	328
Exons	8606..9025, 8611..9030		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-
Start	17657	End	18908
Name	OJ000316_11.0410.C35.o3.tm	Method	TBLASTX:Maize
Start	8704	End	9088
GI	none	Score	221
Exons	8704..9087, 8723..9088		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-
Start	17657	End	18908
Name	OJ000316_11.0410.C35.o1.tm	Method	TBLASTX:Maize
Start	9115	End	9471
GI	none	Score	115
Exons	9115..9420, 9115..9471, 9125..9436		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-
Start	17657	End	18908
Name	OJ000316_11.0410.C35.o1.tw	Method	TBLASTX:Wheat
Start	9139	End	9601
GI	none	Score	415
Exons	9139..9600, 9140..9601		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-
Start	17657	End	18908
Name	OJ000316_11.0410.C35.o3.ts	Method	TBLASTX:Soybean
Start	9196	End	9561
GI	none	Score	117
Exons	9196..9330, 9337..9561		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-

Start	17657	End	18908
Name	OJ000316_11.0410.C35.o3.tw	Method	TBLASTX:Wheat
Start	9769	End	10252
GI	none	Score	165
Exons	9769..10251, 9797..10057, 10079..10252		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-
Start	17657	End	18908
Name	OJ000316_11.0410.C35.o7.tw	Method	TBLASTX:Wheat
Start	10990	End	11382
GI	none	Score	89
Exons	10990..11247, 11024..11263, 11230..11328, 11231..11311, 11335..11382		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-
Start	17657	End	18908
Name	OJ000316_11.0410.C35.o5.tm	Method	TBLASTX:Maize
Start	11092	End	11377
GI	none	Score	103
Exons	11092..11340, 11093..11377		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-
Start	17657	End	18908
Name	OJ000316_11.0410.C35.o6.gs	Method	GENSCAN
Start	17657	End	18861
GI	none	Score	.53
Exons	17657..17760, 17781..18038, 18052..18861		

Seq. No.	46290	Seq. ID	OJ000316_11.0410.C35
Gene No.	98175	Strand	-
Start	17657	End	18908
Name	OJ000316_11.0410.C35.o5.np	Method	AAT/NAP
Start	17660	End	18908
GI	7228457	Score	2045
Exons	17660..18908		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	46291	Seq. ID	OJ000316_11.0410.C36
Gene No.	98176	Strand	-
Start	332	End	590
Name	OJ000316_11.0410.C36.o1.np	Method	AAT/NAP
Start	332	End	572
GI	5926740	Score	245
Exons	332..572		
GI Descrip.	(AB025310) asparaginyl endopeptidase [Oryza sativa]		

Seq. No.	46291	Seq. ID	OJ000316_11.0410.C36
Gene No.	98176	Strand	-
Start	332	End	590
Name	OJ000316_11.0410.C36.o1.tc	Method	TBLASTX:Cress
Start	336	End	590
GI	none	Score	155

Exons	336..575, 406..573, 423..590		
Seq. No.	46291	Seq. ID	OJ000316_11.0410.C36
Gene No.	98176	Strand	-
Start	332	End	590
Name	OJ000316_11.0410.C36.o1.tm	Method	TBLASTX:Maize
Start	406	End	575
GI	none	Score	261
Exons	406..573, 406..480, 408..575, 417..575		
Seq. No.	46291	Seq. ID	OJ000316_11.0410.C36
Gene No.	98176	Strand	-
Start	332	End	590
Name	OJ000316_11.0410.C36.o1.ts	Method	TBLASTX:Soybean
Start	406	End	575
GI	none	Score	183
Exons	406..573, 408..575, 423..575		
Seq. No.	46291	Seq. ID	OJ000316_11.0410.C36
Gene No.	98176	Strand	-
Start	332	End	590
Name	OJ000316_11.0410.C36.o1.tw	Method	TBLASTX:Wheat
Start	406	End	575
GI	none	Score	265
Exons	406..573, 406..486, 408..575		
Seq. No.	46291	Seq. ID	OJ000316_11.0410.C36
Gene No.	98176	Strand	-
Start	332	End	590
Name	OJ000316_11.0410.C36.o1.gp	Method	AAT/GAP
Start	408	End	575
GI	101_1.R1084	Score	292
Exons	408..575		
GI Descrip.	'5926740/dbj|BAA84650.1| 0.0e+00 (AB025310) asparaginyl endopeptidase [Oryza sativa]'		
Seq. No.	46292	Seq. ID	OJ000316_18.0412.C2
Gene No.	98177	Strand	-
Start	46	End	1737
Name	OJ000316_18.0412.C2.o1.gs	Method	GENSCAN
Start	46	End	1737
GI	none	Score	.78
Exons	46..370, 485..682, 735..899, 975..1128, 1610..1737		
Seq. No.	46293	Seq. ID	OJ000316_18.0412.C3
Gene No.	98178	Strand	+
Start	145	End	390
Name	OJ000316_18.0412.C3.o1.gs	Method	GENSCAN
Start	145	End	390
GI	none	Score	.63
Exons	145..197, 276..390		
Seq. No.	46293	Seq. ID	OJ000316_18.0412.C3
Gene No.	98179	Strand	-
Start	1633	End	2652
Name	OJ000316_18.0412.C3.o2.gs	Method	GENSCAN
Start	1633	End	2652

GI	none	Score	.7
Exons	1633..1683, 2051..2157, 2175..2332, 2516..2652		

Seq. No.	46294	Seq. ID	OJ000316_18.0412.C4
Gene No.	98180	Strand	-
Start	2202	End	2616
Name	OJ000316_18.0412.C4.o1.tm	Method	TBLASTX:Maize
Start	2182	End	2532
GI	none	Score	60
Exons	2182..2250, 2185..2352, 2199..2357, 2202..2351, 2302..2352, 2449..2532, 2481..2516		

Seq. No.	46294	Seq. ID	OJ000316_18.0412.C4
Gene No.	98180	Strand	-
Start	2202	End	2616
Name	OJ000316_18.0412.C4.o1.gs	Method	GENSCAN
Start	2202	End	2616
GI	none	Score	.94
Exons	2202..2354, 2455..2616		

Seq. No.	46294	Seq. ID	OJ000316_18.0412.C4
Gene No.	98180	Strand	-
Start	2202	End	2616
Name	OJ000316_18.0412.C4.o1.np	Method	AAT/NAP
Start	2202	End	2586
GI	6539252	Score	177
Exons	2202..2354, 2455..2586		
GI Descrip.	(AC011765) putative DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	46295	Seq. ID	OJ000316_18.0412.C6
Gene No.	98181	Strand	-
Start	493	End	1045
Name	OJ000316_18.0412.C6.o1.gs	Method	GENSCAN
Start	493	End	1045
GI	none	Score	.43
Exons	493..646, 1011..1045		

Seq. No.	46296	Seq. ID	OJ000316_18.0412.C7
Gene No.	98182	Strand	-
Start	1050	End	5736
Name	OJ000316_18.0412.C7.o1.gs	Method	GENSCAN
Start	1050	End	5736
GI	none	Score	.45
Exons	1050..1226, 1387..1493, 1847..2053, 2062..2438, 3513..3886, 4574..4732, 5629..5736		

Seq. No.	46297	Seq. ID	OJ000316_18.0412.C8
Gene No.	98183	Strand	-
Start	781	End	3369
Name	OJ000316_18.0412.C8.o1.np	Method	AAT/NAP
Start	162	End	3369
GI	419760	Score	1897
Exons	162..229, 792..1986, 2149..2390, 2475..3369		
GI Descrip.	P-glycoprotein atpgp1 - Arabidopsis thaliana gi|3849833|emb|CAA43646| (X61370) P-glycoprotein [Arabidopsis thaliana] gi|4883607|gb|AAD31576.1|AC006922_8 (AC006922) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	46297	Seq. ID	OJ000316_18.0412.C8
Gene No.	98183	Strand	-
Start	781	End	3369
Name	OJ000316_18.0412.C8.o1.gs	Method	GENSCAN
Start	781	End	3300
GI	none	Score	.95
Exons	781..1986, 2149..2390, 2475..3300		

Seq. No.	46297	Seq. ID	OJ000316_18.0412.C8
Gene No.	98183	Strand	-
Start	781	End	3369
Name	OJ000316_18.0412.C8.o2.ts	Method	TBLASTX:Soybean
Start	791	End	3312
GI	none	Score	80
Exons	791..943, 814..1086, 1055..1087, 2998..3312, 3038..3301		

Seq. No.	46297	Seq. ID	OJ000316_18.0412.C8
Gene No.	98183	Strand	-
Start	781	End	3369
Name	OJ000316_18.0412.C8.o1.tm	Method	TBLASTX:Maize
Start	803	End	3301
GI	none	Score	1075
Exons	803..1741, 811..1743, 1682..1744, 3016..3300, 3020..3301		

Seq. No.	46297	Seq. ID	OJ000316_18.0412.C8
Gene No.	98183	Strand	-
Start	781	End	3369
Name	OJ000316_18.0412.C8.o1.tc	Method	TBLASTX:Cress
Start	811	End	3312
GI	none	Score	101
Exons	811..1971, 812..946, 812..955, 814..1539, 1039..1509, 1055..1537, 1055..1522, 1540..1989, 1570..1680, 1730..1984, 1864..1995, 2116..2391, 2161..2298, 2482..2643, 3010..3312, 3011..3301, 3019..3303, 3032..3301, 3071..3304		

Seq. No.	46297	Seq. ID	OJ000316_18.0412.C8
Gene No.	98183	Strand	-
Start	781	End	3369
Name	OJ000316_18.0412.C8.o1.tw	Method	TBLASTX:Wheat
Start	868	End	3309
GI	none	Score	229
Exons	868..1119, 869..1120, 3055..3297, 3059..3298, 3076..3309		

Seq. No.	46297	Seq. ID	OJ000316_18.0412.C8
Gene No.	98183	Strand	-
Start	781	End	3369
Name	OJ000316_18.0412.C8.o1.ts	Method	TBLASTX:Soybean
Start	1087	End	1909
GI	none	Score	481
Exons	1087..1602, 1097..1594, 1603..1908, 1603..1908, 1604..1909, 1853..1909		

Seq. No.	46297	Seq. ID	OJ000316_18.0412.C8
Gene No.	98183	Strand	-
Start	781	End	3369
Name	OJ000316_18.0412.C8.o1.gp	Method	AAT/GAP

Start	1327	End	1687
GI	428951	Score	722
Exons	1327..1687		
GI Descrip.	99741/pir||S21957 8.0e-37 P-glycoprotein pgp1 - Arabidopsis thaliana		

Seq. No.	46297	Seq. ID	OJ000316_18.0412.C8
Gene No.	98183	Strand	-
Start	781	End	3369
Name	OJ000316_18.0412.C8.o3.tm	Method	TBLASTX:Maize
Start	1745	End	2268
GI	none	Score	287
Exons	1745..1990, 1747..1995, 1764..1994, 2119..2268, 2140..2262, 2150..2266		

Seq. No.	46297	Seq. ID	OJ000316_18.0412.C8
Gene No.	98183	Strand	-
Start	781	End	3369
Name	OJ000316_18.0412.C8.o3.ts	Method	TBLASTX:Soybean
Start	2167	End	2778
GI	none	Score	89
Exons	2167..2388, 2177..2389, 2470..2556, 2476..2778		

Seq. No.	46297	Seq. ID	OJ000316_18.0412.C8
Gene No.	98183	Strand	-
Start	781	End	3369
Name	OJ000316_18.0412.C8.o2.tm	Method	TBLASTX:Maize
Start	2299	End	3016
GI	none	Score	122
Exons	2299..2391, 2338..2394, 2470..3015, 2471..3016		

Seq. No.	46297	Seq. ID	OJ000316_18.0412.C8
Gene No.	98183	Strand	-
Start	781	End	3369
Name	OJ000316_18.0412.C8.o2.tc	Method	TBLASTX:Cress
Start	2644	End	2782
GI	none	Score	57
Exons	2644..2781, 2650..2769, 2660..2782		

Seq. No.	46298	Seq. ID	OJ000316_18.0412.C9
Gene No.	98184	Strand	-
Start	1	End	2351
Name	OJ000316_18.0412.C9.o1.np	Method	AAT/NAP
Start	1	End	2318
GI	6671365	Score	544
Exons	1..78, 1047..1423, 1854..1908, 2052..2318		
GI Descrip.	(AF216497) P-glycoprotein [Gossypium hirsutum]		

Seq. No.	46298	Seq. ID	OJ000316_18.0412.C9
Gene No.	98184	Strand	-
Start	1	End	2351
Name	OJ000316_18.0412.C9.o1.gs	Method	GENSCAN
Start	966	End	2351
GI	none	Score	.55
Exons	966..1647, 1664..1802, 1854..1908, 2052..2351		

Seq. No.	46298	Seq. ID	OJ000316_18.0412.C9

Gene No.	98184	Strand	-
Start	1	End	2351
Name	OJ000316_18.0412.C9.o1.tc	Method	TBLASTX:Cress
Start	1042	End	2285
GI	none	Score	206
Exons	1042..1425, 1044..1424, 1272..1427, 1299..1424, 2097..2285		

Seq. No.	46298	Seq. ID	OJ000316_18.0412.C9
Gene No.	98184	Strand	-
Start	1	End	2351
Name	OJ000316_18.0412.C9.o1.tm	Method	TBLASTX:Maize
Start	1047	End	1406
GI	none	Score	261
Exons	1047..1406, 1048..1401, 1269..1403		

Seq. No.	46298	Seq. ID	OJ000316_18.0412.C9
Gene No.	98184	Strand	-
Start	1	End	2351
Name	OJ000316_18.0412.C9.o1.ts	Method	TBLASTX:Soybean
Start	1047	End	1277
GI	none	Score	135
Exons	1047..1277, 1048..1272		

Seq. No.	46299	Seq. ID	OJ000316_18.0412.C10
Gene No.	98185	Strand	+
Start	129	End	8106
Name	OJ000316_18.0412.C10.o1.gs	Method	GENSCAN
Start	129	End	8067
GI	none	Score	.41
Exons	129..598, 2447..2472, 2615..2778, 3194..3267, 3822..3917, 4250..4360, 4765..4832, 4869..4976, 5013..5211, 5389..5560, 5746..5814, 5923..6009, 6719..6825, 6920..7041, 7316..7389, 7687..7800, 7954..8067		

Seq. No.	46299	Seq. ID	OJ000316_18.0412.C10
Gene No.	98185	Strand	+
Start	129	End	8106
Name	OJ000316_18.0412.C10.o1.gp	Method	AAT/GAP
Start	5348	End	6956
GI	LIB3434-030-P1-K1-C4	Score	892
Exons	5348..5560, 5746..5814, 5923..6009, 6719..6825, 6920..6956		
GI Descrip.	'2135057/pir||I52726 2.0e-24 EB1 - human >gi_998357 (U24166) EB1 [Homo sapiens] >gi_5748523_emb_CAB53072.1_ (AL035071) dJ1085F17.2 (EB1 (APC binding protein)) [Homo sapiens]'		

Seq. No.	46299	Seq. ID	OJ000316_18.0412.C10
Gene No.	98185	Strand	+
Start	129	End	8106
Name	OJ000316_18.0412.C10.o1.np	Method	AAT/NAP
Start	5453	End	8106
GI	7487371	Score	347
Exons	5453..5560, 5746..5814, 7687..7804, 7937..8106		
GI Descrip.	hypothetical protein T23J7.20 - Arabidopsis thaliana gi|4741186|emb|CAB41852.1| (AL049746) putative protein [Arabidopsis thaliana]		

Seq. No.	46299	Seq. ID	OJ000316_18.0412.C10

Gene No.	98186	Strand	-
Start	8822	End	9795
Name	OJ000316_18.0412.C10.o2.gs	Method	GENSCAN
Start	8822	End	9795
GI	none	Score	.46
Exons	8822..8827, 8955..9560, 9643..9795		

Seq. No.	46299	Seq. ID	OJ000316_18.0412.C10
Gene No.	98187	Strand	-
Start	10804	End	11977
Name	OJ000316_18.0412.C10.o1.ts	Method	TBLASTX:Soybean
Start	5461	End	6009
GI	none	Score	121
Exons	5461..5559, 5462..5560, 5743..5820, 5745..5816, 5755..5820, 5920..6009, 5920..5997		

Seq. No.	46299	Seq. ID	OJ000316_18.0412.C10
Gene No.	98187	Strand	-
Start	10804	End	11977
Name	OJ000316_18.0412.C10.o1.tc	Method	TBLASTX:Cress
Start	5745	End	6818
GI	none	Score	114
Exons	5745..5819, 5746..5820, 5920..6021, 5920..6009, 6712..6813, 6713..6814, 6719..6814, 6744..6818		

Seq. No.	46299	Seq. ID	OJ000316_18.0412.C10
Gene No.	98187	Strand	-
Start	10804	End	11977
Name	OJ000316_18.0412.C10.o1.tm	Method	TBLASTX:Maize
Start	5941	End	7755
GI	none	Score	110
Exons	5941..6009, 5947..6066, 6697..6822, 6697..6828, 6716..6826, 6916..7041, 6921..7043, 6921..7040, 7336..7392, 7684..7752, 7686..7754, 7687..7755		

Seq. No.	46299	Seq. ID	OJ000316_18.0412.C10
Gene No.	98187	Strand	-
Start	10804	End	11977
Name	OJ000316_18.0412.C10.o3.gs	Method	GENSCAN
Start	10804	End	11977
GI	none	Score	.68
Exons	10804..10975, 11381..11412, 11519..11562, 11816..11977		

Seq. No.	46300	Seq. ID	OJ000316_18.0412.C11
Gene No.	98188	Strand	-
Start	183	End	621
Name	OJ000316_18.0412.C11.o1.tw	Method	TBLASTX:Wheat
Start	181	End	315
GI	none	Score	158
Exons	181..315, 182..310, 241..315		

Seq. No.	46300	Seq. ID	OJ000316_18.0412.C11
Gene No.	98188	Strand	-
Start	183	End	621
Name	OJ000316_18.0412.C11.o1.gs	Method	GENSCAN
Start	183	End	621
GI	none	Score	.51

Exons	183..621		
Seq. No.	46301	Seq. ID	OJ000316_18.0412.C13
Gene No.	98189	Strand	-
Start	552	End	1856
Name	OJ000316_18.0412.C13.o1.gs	Method	GENSCAN
Start	552	End	1480
GI	none	Score	.7
Exons	552..606, 691..886, 965..1190, 1271..1480		
Seq. No.	46301	Seq. ID	OJ000316_18.0412.C13
Gene No.	98189	Strand	-
Start	552	End	1856
Name	OJ000316_18.0412.C13.o1.np	Method	AAT/NAP
Start	995	End	1856
GI	6523547	Score	150
Exons	995..1442, 1497..1856		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		
Seq. No.	46302	Seq. ID	OJ000316_18.0412.C14
Gene No.	98190	Strand	-
Start	397	End	532
Name	OJ000316_18.0412.C14.o1.gs	Method	GENSCAN
Start	397	End	532
GI	none	Score	.65
Exons	397..532		
Seq. No.	46303	Seq. ID	OJ000316_18.0412.C15
Gene No.	98191	Strand	+
Start	1	End	1176
Name	OJ000316_18.0412.C15.o1.np	Method	AAT/NAP
Start	1	End	1176
GI	6665549	Score	116
Exons	1..258, 1146..1176		
GI Descrip.	(AC013289) putative cullin [Arabidopsis thaliana]		
Seq. No.	46303	Seq. ID	OJ000316_18.0412.C15
Gene No.	98191	Strand	+
Start	1	End	1176
Name	OJ000316_18.0412.C15.o1.gs	Method	GENSCAN
Start	41	End	337
GI	none	Score	.98
Exons	41..337		
Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98192	Strand	+
Start	6969	End	8862
Name	OJ000316_18.0412.C17.o3.np	Method	AAT/NAP
Start	6969	End	8862
GI	6983857	Score	1359
Exons	6969..7087, 7150..7710, 7880..8303, 8364..8475, 8503..8653, 8696..8770, 8801..8862		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		
Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98193	Strand	-

Start	1	End	3492
Name	OJ000316_18.0412.C17.o1.np	Method	AAT/NAP
Start	1	End	3492
GI	4680179	Score	3204
Exons	1..2333, 2436..3492		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98194	Strand	-
Start	3984	End	4765
Name	OJ000316_18.0412.C17.o2.np	Method	AAT/NAP
Start	3984	End	4765
GI	6002794	Score	1232
Exons	3984..4765		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98195	Strand	-
Start	5061	End	8032
Name	OJ000316_18.0412.C17.o3.tw	Method	TBLASTX:Wheat
Start	1	End	450
GI	none	Score	204
Exons	1..450, 2..298		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98195	Strand	-
Start	5061	End	8032
Name	OJ000316_18.0412.C17.o4.tm	Method	TBLASTX:Maize
Start	1	End	279
GI	none	Score	87
Exons	1..279, 2..166		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98195	Strand	-
Start	5061	End	8032
Name	OJ000316_18.0412.C17.o1.tm	Method	TBLASTX:Maize
Start	483	End	846
GI	none	Score	190
Exons	483..845, 493..846, 596..844		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98195	Strand	-
Start	5061	End	8032
Name	OJ000316_18.0412.C17.o1.tw	Method	TBLASTX:Wheat
Start	493	End	919
GI	none	Score	105
Exons	493..918, 495..800, 508..861, 596..919		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98195	Strand	-
Start	5061	End	8032
Name	OJ000316_18.0412.C17.o2.ts	Method	TBLASTX:Soybean
Start	667	End	912
GI	none	Score	209
Exons	667..912		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17

Gene No.	98195	Strand	-
Start	5061	End	8032
Name	OJ000316_18.0412.C17.o3.tm	Method	TBLASTX:Maize
Start	853	End	1200
GI	none	Score	301
Exons	853..1200		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98195	Strand	-
Start	5061	End	8032
Name	OJ000316_18.0412.C17.o4.tw	Method	TBLASTX:Wheat
Start	925	End	1221
GI	none	Score	156
Exons	925..1221, 962..1171		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98195	Strand	-
Start	5061	End	8032
Name	OJ000316_18.0412.C17.o1.ts	Method	TBLASTX:Soybean
Start	934	End	1329
GI	none	Score	126
Exons	934..1293, 962..1162, 1075..1293, 1217..1312, 1297..1329, 1297..1329		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98195	Strand	-
Start	5061	End	8032
Name	OJ000316_18.0412.C17.o2.tm	Method	TBLASTX:Maize
Start	1216	End	1683
GI	none	Score	131
Exons	1216..1683, 1253..1612		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98195	Strand	-
Start	5061	End	8032
Name	OJ000316_18.0412.C17.o2.tw	Method	TBLASTX:Wheat
Start	1270	End	1753
GI	none	Score	162
Exons	1270..1752, 1279..1725, 1298..1753		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98195	Strand	-
Start	5061	End	8032
Name	OJ000316_18.0412.C17.o7.tm	Method	TBLASTX:Maize
Start	1684	End	1881
GI	none	Score	162
Exons	1684..1881, 1685..1831		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98195	Strand	-
Start	5061	End	8032
Name	OJ000316_18.0412.C17.o5.tw	Method	TBLASTX:Wheat
Start	1900	End	2299
GI	none	Score	85
Exons	1900..2064, 1913..2068, 2077..2298, 2144..2299		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17

Gene No.	98195	Strand	-
Start	5061	End	8032
Name	OJ000316_18.0412.C17.o6.tm	Method	TBLASTX:Maize
Start	1979	End	2305
GI	none	Score	44
Exons	1979..2062, 1981..2304, 2164..2298, 2192..2305		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98195	Strand	-
Start	5061	End	8032
Name	OJ000316_18.0412.C17.o5.tm	Method	TBLASTX:Maize
Start	2614	End	3015
GI	none	Score	236
Exons	2614..3015		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98195	Strand	-
Start	5061	End	8032
Name	OJ000316_18.0412.C17.o6.tw	Method	TBLASTX:Wheat
Start	2896	End	3273
GI	none	Score	60
Exons	2896..3273, 3155..3256		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98195	Strand	-
Start	5061	End	8032
Name	OJ000316_18.0412.C17.o1.gp	Method	AAT/GAP
Start	5061	End	5554
GI	38782_1.R1084	Score	797
Exons	5061..5554		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	46304	Seq. ID	OJ000316_18.0412.C17
Gene No.	98195	Strand	-
Start	5061	End	8032
Name	OJ000316_18.0412.C17.o2.gs	Method	GENSCAN
Start	5347	End	8032
GI	none	Score	.58
Exons	5347..5420, 6816..6858, 7119..7145, 7281..7763, 7933..8032		

Seq. No.	46305	Seq. ID	OJ000316_18.0412.C20
Gene No.	98196	Strand	+
Start	178	End	1974
Name	OJ000316_18.0412.C20.o1.np	Method	AAT/NAP
Start	178	End	1888
GI	5903066	Score	50
Exons	178..197, 1505..1671, 1753..1888		
GI Descrip.	(AC008016) F6D8.26 [Arabidopsis thaliana]		

Seq. No.	46305	Seq. ID	OJ000316_18.0412.C20
Gene No.	98196	Strand	+
Start	178	End	1974
Name	OJ000316_18.0412.C20.o1.gs	Method	GENSCAN
Start	242	End	1974
GI	none	Score	.91
Exons	242..294, 397..492, 571..645, 1280..1354, 1449..1671, 1765..1974		

Seq. No.	46306	Seq. ID	OJ000316_18.0412.C21
Gene No.	98197	Strand	+
Start	384	End	549
Name	OJ000316_18.0412.C21.o1.tw	Method	TBLASTX:Wheat
Start	79	End	450
GI	none	Score	231
Exons	79..279, 86..361, 92..376, 370..450		

Seq. No.	46306	Seq. ID	OJ000316_18.0412.C21
Gene No.	98197	Strand	+
Start	384	End	549
Name	OJ000316_18.0412.C21.o1.gs	Method	GENSCAN
Start	384	End	549
GI	none	Score	.48
Exons	384..549		

Seq. No.	46307	Seq. ID	OJ000316_18.0412.C25
Gene No.	98198	Strand	+
Start	982	End	1066
Name	OJ000316_18.0412.C25.o1.np	Method	AAT/NAP
Start	982	End	1066
GI	6630699	Score	73
Exons	982..1066		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	46307	Seq. ID	OJ000316_18.0412.C25
Gene No.	98199	Strand	+
Start	1075	End	1302
Name	OJ000316_18.0412.C25.o1.gs	Method	GENSCAN
Start	1075	End	1302
GI	none	Score	.48
Exons	1075..1120, 1235..1302		

Seq. No.	46307	Seq. ID	OJ000316_18.0412.C25
Gene No.	98200	Strand	-
Start	1205	End	1426
Name	OJ000316_18.0412.C25.o2.np	Method	AAT/NAP
Start	1205	End	1426
GI	5922620	Score	160
Exons	1205..1426		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46308	Seq. ID	OJ000316_18.0412.C26
Gene No.	98201	Strand	+
Start	704	End	2052
Name	OJ000316_18.0412.C26.o1.gs	Method	GENSCAN
Start	704	End	2052
GI	none	Score	.63
Exons	704..817, 1874..2052		

Seq. No.	46309	Seq. ID	OJ000316_18.0412.C27
Gene No.	98202	Strand	-
Start	64	End	278
Name	OJ000316_18.0412.C27.o1.gs	Method	GENSCAN
Start	64	End	278
GI	none	Score	.46
Exons	64..278		

Seq. No.	46310	Seq. ID	OJ000316_18.0412.C29
Gene No.	98203	Strand	-
Start	459	End	1472
Name	OJ000316_18.0412.C29.o1.gp	Method	AAT/GAP
Start	459	End	1472
GI	701038	Score	337
Exons	459..572, 1378..1472		
GI Descrip.	2245131/emb|CAB10552.1| 3.0e-10 (Z97344) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46310	Seq. ID	OJ000316_18.0412.C29
Gene No.	98203	Strand	-
Start	459	End	1472
Name	OJ000316_18.0412.C29.o1.gs	Method	GENSCAN
Start	459	End	1453
GI	none	Score	.96
Exons	459..572, 1378..1453		

Seq. No.	46311	Seq. ID	OJ000316_18.0412.C31
Gene No.	98204	Strand	+
Start	983	End	2659
Name	OJ000316_18.0412.C31.o1.ts	Method	TBLASTX:Soybean
Start	965	End	1144
GI	none	Score	193
Exons	965..1144, 982..1137		

Seq. No.	46311	Seq. ID	OJ000316_18.0412.C31
Gene No.	98204	Strand	+
Start	983	End	2659
Name	OJ000316_18.0412.C31.o1.np	Method	AAT/NAP
Start	983	End	2659
GI	6665549	Score	159
Exons	983..1143, 2449..2659		
GI Descrip.	(AC013289) putative cullin [Arabidopsis thaliana]		

Seq. No.	46311	Seq. ID	OJ000316_18.0412.C31
Gene No.	98204	Strand	+
Start	983	End	2659
Name	OJ000316_18.0412.C31.o1.tm	Method	TBLASTX:Maize
Start	992	End	1145
GI	none	Score	236
Exons	992..1144, 994..1137, 1044..1145		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98205	Strand	+
Start	8129	End	16612
Name	OJ000306_15.0406.C1.o2.np	Method	AAT/NAP
Start	8090	End	11359
GI	5817303	Score	385

Exons	8090..8671, 8731..9647, 11055..11131, 11296..11359		
GI Descrip.	(AF087819) auxin transport protein [Arabidopsis thaliana]		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98205	Strand	+
Start	8129	End	16612
Name	OJ000306_15.0406.C1.o3.gs	Method	GENSCAN
Start	8129	End	8866
GI	none	Score	.85
Exons	8129..8866		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98205	Strand	+
Start	8129	End	16612
Name	OJ000306_15.0406.C1.o4.gs	Method	GENSCAN
Start	9552	End	16612
GI	none	Score	.69
Exons	9552..9647, 10109..10206, 10208..10226, 11055..11131, 13433..13606, 14217..14398, 14671..14844, 15269..15359, 15487..15552, 16420..16612		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98206	Strand	+
Start	21336	End	24171
Name	OJ000306_15.0406.C1.o4.np	Method	AAT/NAP
Start	21336	End	24168
GI	6642644	Score	790
Exons	21336..21613, 22833..23742, 23776..24168		
GI Descrip.	(AC012395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98206	Strand	+
Start	21336	End	24171
Name	OJ000306_15.0406.C1.o6.gs	Method	GENSCAN
Start	21336	End	24171
GI	none	Score	.92
Exons	21336..21613, 22833..24171		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98207	Strand	+
Start	25912	End	31750
Name	OJ000306_15.0406.C1.o7.gs	Method	GENSCAN
Start	25912	End	31750
GI	none	Score	.46
Exons	25912..26247, 26384..26533, 26566..27029, 27352..27457, 29816..30226, 31667..31750		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98207	Strand	+
Start	25912	End	31750
Name	OJ000306_15.0406.C1.o3.gp	Method	AAT/GAP
Start	29805	End	30042
GI	LIB3432-022-P1-K1-G3	Score	398
Exons	29805..30042		
GI Descrip.	'3236242 8.0e-15 (AC004684) putative ribosomal protein L36 [Arabidopsis thaliana]'		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98208	Strand	+
Start	32004	End	39549
Name	OJ000306_15.0406.C1.o6.np	Method	AAT/NAP
Start	32004	End	36153
GI	7299965	Score	255
Exons	32004..32114, 33477..33548, 33876..33919, 34060..34189, 34911..35157, 35785..35847, 35962..36153		
GI Descrip.	(AE003708) CG4196 gene product [Drosophila melanogaster]		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98208	Strand	+
Start	32004	End	39549
Name	OJ000306_15.0406.C1.o8.gs	Method	GENSCAN
Start	33451	End	39549
GI	none	Score	.53
Exons	33451..33537, 33638..33694, 33806..33922, 34030..34162, 34950..35035, 35962..36039, 36767..36964, 38613..38709, 38918..39549		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98209	Strand	+
Start	43449	End	51276
Name	OJ000306_15.0406.C1.o10.gs	Method	GENSCAN
Start	43449	End	51276
GI	none	Score	.46
Exons	43449..43567, 43611..43767, 44233..44351, 44953..45061, 45090..45274, 45683..45802, 45847..47194, 47200..47491, 48086..48376, 48400..48961, 49765..49953, 51108..51276		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98210	Strand	+
Start	51625	End	67888
Name	OJ000306_15.0406.C1.o11.gs	Method	GENSCAN
Start	51625	End	67888
GI	none	Score	.68
Exons	51625..51817, 52215..53726, 54262..54886, 55659..55847, 56838..57017, 57125..57223, 57738..57808, 58077..58574, 58769..59269, 59832..60471, 61423..61513, 63135..63303, 63530..64762, 65305..65739, 65784..66228, 67657..67888		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98210	Strand	+
Start	51625	End	67888
Name	OJ000306_15.0406.C1.o6.gp	Method	AAT/GAP
Start	53187	End	53450
GI	2312224	Score	485
Exons	53187..53450		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98210	Strand	+
Start	51625	End	67888
Name	OJ000306_15.0406.C1.o7.gp	Method	AAT/GAP
Start	59347	End	59581
GI	3106595	Score	447
Exons	59347..59581		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98211	Strand	-
Start	1	End	1146
Name	OJ000306_15.0406.C1.o1.np	Method	AAT/NAP
Start	1	End	1146
GI	3138799	Score	244
Exons	1..223, 299..421, 998..1146		
GI Descrip.	(AB014058) beta 6 subunit of 20S proteasome [Oryza sativa]		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98212	Strand	-
Start	1097	End	1373
Name	OJ000306_15.0406.C1.o1.gp	Method	AAT/GAP
Start	1097	End	1373
GI	2309897	Score	449
Exons	1097..1373		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98213	Strand	-
Start	4132	End	5365
Name	OJ000306_15.0406.C1.o2.gs	Method	GENSCAN
Start	4132	End	5365
GI	none	Score	.52
Exons	4132..4349, 5134..5365		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98214	Strand	-
Start	15397	End	18657
Name	OJ000306_15.0406.C1.o3.np	Method	AAT/NAP
Start	15397	End	18420
GI	6642643	Score	945
Exons	15397..15603, 16903..17078, 17844..18420		
GI Descrip.	(AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98214	Strand	-
Start	15397	End	18657
Name	OJ000306_15.0406.C1.o5.gs	Method	GENSCAN
Start	16888	End	18423
GI	none	Score	.77
Exons	16888..17060, 17781..18423		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98214	Strand	-
Start	15397	End	18657
Name	OJ000306_15.0406.C1.o2.gp	Method	AAT/GAP
Start	18081	End	18657
GI	none	Score	1045
Exons	18081..18657		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98215	Strand	-
Start	40534	End	42599
Name	OJ000306_15.0406.C1.o9.gs	Method	GENSCAN
Start	40534	End	42599
GI	none	Score	.61
Exons	40534..40948, 41950..42599		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98215	Strand	-
Start	40534	End	42599
Name	OJ000306_15.0406.C1.o4.gp	Method	AAT/GAP
Start	42068	End	42582
GI	none	Score	988
Exons	42068..42582		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o7.tm	Method	TBLASTX:Maize
Start	992	End	1144
GI	none	Score	115
Exons	992..1144, 997..1125		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o3.tc	Method	TBLASTX:Cress
Start	8087	End	11356
GI	none	Score	208
Exons	8087..8296, 8089..8295, 8378..8578, 8392..8577, 8926..9015, 9489..9656, 11049..11132, 11297..11356		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o4.tm	Method	TBLASTX:Maize
Start	8087	End	8299
GI	none	Score	232
Exons	8087..8299, 8089..8298		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o4.ts	Method	TBLASTX:Soybean
Start	8093	End	8551
GI	none	Score	157
Exons	8093..8302, 8104..8250, 8393..8551		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o1.tm	Method	TBLASTX:Maize
Start	15392	End	18285
GI	none	Score	296
Exons	15392..15604, 15393..15605, 15421..15606, 16858..17094, 16879..17067, 17779..17892, 17783..17842, 17785..17889, 17890..18000, 17893..17991, 17915..18019, 17993..18118, 18034..18282, 18038..18196, 18085..18285		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o4.tc	Method	TBLASTX:Cress

Start	15398	End	17005
GI	none	Score	225
Exons	15398..15589, 15421..15603, 15447..15593, 15448..15594, 16900..17004, 16913..17005		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o5.ts	Method	TBLASTX:Soybean
Start	15421	End	16990
GI	none	Score	115
Exons	15421..15525, 15422..15526, 15439..15534, 15532..15612, 15533..15604, 16898..16990, 16900..16989		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o1.tc	Method	TBLASTX:Cress
Start	18034	End	18402
GI	none	Score	141
Exons	18034..18393, 18059..18196, 18085..18402		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o1.ts	Method	TBLASTX:Soybean
Start	18061	End	18396
GI	none	Score	180
Exons	18061..18393, 18062..18196, 18085..18396		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o2.ts	Method	TBLASTX:Soybean
Start	21309	End	23082
GI	none	Score	65
Exons	21309..21404, 21492..21584, 22830..23081, 22831..23082, 22858..23082		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o2.tc	Method	TBLASTX:Cress
Start	22830	End	23250
GI	none	Score	88
Exons	22830..22904, 22831..22914, 22911..23144, 22912..23250, 23217..23240		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o6.tm	Method	TBLASTX:Maize
Start	23106	End	23379
GI	none	Score	91
Exons	23106..23246, 23106..23330, 23107..23379, 23206..23379		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1

Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o8.tm	Method	TBLASTX:Maize
Start	25952	End	26455
GI	none	Score	35
Exons	25952..25972, 26046..26249, 26086..26259, 26375..26455		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o1.tw	Method	TBLASTX:Wheat
Start	26493	End	26877
GI	none	Score	69
Exons	26493..26543, 26493..26546, 26551..26877, 26598..26876		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o2.tm	Method	TBLASTX:Maize
Start	26511	End	27106
GI	none	Score	44
Exons	26511..26543, 26598..26690, 26602..27105, 26718..26990, 26728..27105, 26969..27106, 27029..27106		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o7.ts	Method	TBLASTX:Soybean
Start	26749	End	27093
GI	none	Score	197
Exons	26749..27093		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o6.ts	Method	TBLASTX:Soybean
Start	33847	End	34332
GI	none	Score	92
Exons	33847..33933, 33848..33922, 34035..34181, 34057..34182, 34266..34331, 34279..34332		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o6.tc	Method	TBLASTX:Cress
Start	33872	End	34332
GI	none	Score	58
Exons	33872..33922, 34035..34181, 34042..34182, 34260..34331, 34279..34332		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o5.tm	Method	TBLASTX:Maize
Start	34047	End	34317
GI	none	Score	128
Exons	34047..34181, 34053..34163, 34054..34164, 34055..34165,		

34239..34316, 34266..34316, 34279..34317

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o3.tm	Method	TBLASTX:Maize
Start	34946	End	36150
GI	none	Score	131
Exons	34946..35038, 34948..35037, 35509..35628, 35511..35594, 35782..35850, 35799..35849, 35955..36149, 35955..36149, 35962..36150		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o5.tc	Method	TBLASTX:Cress
Start	34949	End	36158
GI	none	Score	73
Exons	34949..35026, 35509..35583, 35782..35850, 35787..35846, 35955..36149, 35955..36158, 35962..36150		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o3.ts	Method	TBLASTX:Soybean
Start	35509	End	36150
GI	none	Score	116
Exons	35509..35592, 35511..35591, 35787..35849, 35788..35850, 35955..36140, 35955..36149, 35962..36150		

Seq. No.	46312	Seq. ID	OJ000306_15.0406.C1
Gene No.	98216	Strand	-
Start	49818	End	50140
Name	OJ000306_15.0406.C1.o5.gp	Method	AAT/GAP
Start	49818	End	50140
GI	none	Score	646
Exons	49818..50140		

Seq. No.	46313	Seq. ID	OJ000306_15.0406.C2
Gene No.	98217	Strand	+
Start	1491	End	5040
Name	OJ000306_15.0406.C2.o1.np	Method	AAT/NAP
Start	1491	End	4998
GI	6587835	Score	747
Exons	1491..1613, 1727..1970, 3862..4998		
GI Descrip.	(AC006551) Similar to peptide transporter [Arabidopsis thaliana]		

Seq. No.	46313	Seq. ID	OJ000306_15.0406.C2
Gene No.	98217	Strand	+
Start	1491	End	5040
Name	OJ000306_15.0406.C2.o2.gs	Method	GENSCAN
Start	3874	End	5040
GI	none	Score	.95
Exons	3874..5040		

Seq. No.	46313	Seq. ID	OJ000306_15.0406.C2
Gene No.	98218	Strand	+

Start	6762	End	10646
Name	OJ000306_15.0406.C2.o3.gs	Method	GENSCAN
Start	6762	End	10605
GI	none	Score	.92
Exons	6762..8100, 8599..9268, 10374..10605		

Seq. No.	46313	Seq. ID	OJ000306_15.0406.C2
Gene No.	98218	Strand	+
Start	6762	End	10646
Name	OJ000306_15.0406.C2.o3.np	Method	AAT/NAP
Start	7378	End	10646
GI	7488413	Score	190
Exons	7378..7913, 10620..10646		
GI Descrip.	ubiquitin-specific proteinase homolog F24L7.8 - Arabidopsis thaliana gi|2914695|gb|AAC04485.1| (AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	46313	Seq. ID	OJ000306_15.0406.C2
Gene No.	98218	Strand	+
Start	6762	End	10646
Name	OJ000306_15.0406.C2.o2.np	Method	AAT/NAP
Start	7411	End	10576
GI	7211980	Score	174
Exons	7411..7911, 10536..10576		
GI Descrip.	(AC004809) Strong similarity to the putative ubiquitin-specific protease F24L7.8 from A. thaliana gi|2914695 on BAC gb|AC003974 and to ubiquitin carboxyl-terminal hydrolase family PF|00442 and PF|00443. ESTs gb|Z17750 and gb|Z17572 come from this gene		

Seq. No.	46313	Seq. ID	OJ000306_15.0406.C2
Gene No.	98219	Strand	-
Start	11709	End	13133
Name	OJ000306_15.0406.C2.o2.tm	Method	TBLASTX:Maize
Start	1532	End	4248
GI	none	Score	106
Exons	1532..1624, 1534..1608, 1719..1823, 1720..1824, 1807..1875, 1812..1880, 1887..1931, 1896..1934, 4189..4248		

Seq. No.	46313	Seq. ID	OJ000306_15.0406.C2
Gene No.	98219	Strand	-
Start	11709	End	13133
Name	OJ000306_15.0406.C2.o1.tc	Method	TBLASTX:Cress
Start	1750	End	4974
GI	none	Score	78
Exons	1750..1824, 1807..1875, 3949..4188, 3975..4172, 4162..4248, 4315..4593, 4329..4577, 4648..4974, 4659..4730		

Seq. No.	46313	Seq. ID	OJ000306_15.0406.C2
Gene No.	98219	Strand	-
Start	11709	End	13133
Name	OJ000306_15.0406.C2.o1.tm	Method	TBLASTX:Maize
Start	3967	End	4974
GI	none	Score	78
Exons	3967..4065, 4075..4110, 4153..4188, 4315..4593, 4374..4589, 4648..4974		

Seq. No.	46313	Seq. ID	OJ000306_15.0406.C2

Gene No.	98219	Strand	-
Start	11709	End	13133
Name	OJ000306_15.0406.C2.o1.ts	Method	TBLASTX:Soybean
Start	3967	End	4983
GI	none	Score	168
Exons	3967..4215, 3975..4205, 4321..4425, 4329..4448, 4432..4593, 4434..4589, 4647..4808, 4660..4857, 4858..4983		

Seq. No.	46313	Seq. ID	OJ000306_15.0406.C2
Gene No.	98219	Strand	-
Start	11709	End	13133
Name	OJ000306_15.0406.C2.o1.tw	Method	TBLASTX:Wheat
Start	4668	End	5001
GI	none	Score	332
Exons	4668..4823, 4669..5001		

Seq. No.	46313	Seq. ID	OJ000306_15.0406.C2
Gene No.	98219	Strand	-
Start	11709	End	13133
Name	OJ000306_15.0406.C2.o4.gs	Method	GENSCAN
Start	11709	End	13133
GI	none	Score	.73
Exons	11709..11852, 11960..12028, 12103..12186, 12297..12361, 12606..12814, 12911..13133		

Seq. No.	46314	Seq. ID	OJ000306_15.0406.C3
Gene No.	98220	Strand	+
Start	1	End	8475
Name	OJ000306_15.0406.C3.o2.np	Method	AAT/NAP
Start	1	End	8475
GI	5454156	Score	43
Exons	1..104, 6944..7093, 8342..8475		
GI Descrip.	ubiquitin specific protease 16 gi|6686071|sp|Q9Y5T5|UBPG_HUMAN UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 16 (UBIQUITIN THIOLESTERASE 16) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 16) (DEUBIQUITINATING ENZYME 16) (UBIQUITIN PROCESSING PROTEASE UBP-M) gi|4454565|gb|AAD20949| (AF126736) ubiquitin processing protease [Homo sapiens]		

Seq. No.	46314	Seq. ID	OJ000306_15.0406.C3
Gene No.	98221	Strand	-
Start	276	End	894
Name	OJ000306_15.0406.C3.o1.gs	Method	GENSCAN
Start	276	End	894
GI	none	Score	.98
Exons	276..478, 578..894		

Seq. No.	46315	Seq. ID	OJ000306_15.0406.C4
Gene No.	98222	Strand	+
Start	1566	End	10435
Name	OJ000306_15.0406.C4.o1.gs	Method	GENSCAN
Start	1566	End	10435
GI	none	Score	.59
Exons	1566..3123, 3686..4522, 4604..4661, 5652..5840, 7140..7192, 7648..8406, 8469..8704, 8912..9170, 9716..10435		

Seq. No.	46315	Seq. ID	OJ000306_15.0406.C4

Gene No.	98222	Strand	+
Start	1566	End	10435
Name	OJ000306_15.0406.C4.o1.gp	Method	AAT/GAP
Start	3980	End	4330
GI	none	Score	657
Exons	3980..4330		

Seq. No.	46315	Seq. ID	OJ000306_15.0406.C4
Gene No.	98222	Strand	+
Start	1566	End	10435
Name	OJ000306_15.0406.C4.o2.gp	Method	AAT/GAP
Start	5844	End	6154
GI	427437	Score	593
Exons	5844..6154		

Seq. No.	46316	Seq. ID	OJ000306_15.0406.C5
Gene No.	98223	Strand	+
Start	1796	End	8421
Name	OJ000306_15.0406.C5.o1.gs	Method	GENSCAN
Start	1796	End	8421
GI	none	Score	.66
Exons	1796..1847, 2276..3946, 4493..5474, 5952..6140, 7141..7394, 7523..8421		

Seq. No.	46316	Seq. ID	OJ000306_15.0406.C5
Gene No.	98223	Strand	+
Start	1796	End	8421
Name	OJ000306_15.0406.C5.o2.np	Method	AAT/NAP
Start	6685	End	8418
GI	7486835	Score	202
Exons	6685..6737, 8068..8181, 8242..8418		
GI Descrip.	hypothetical protein T10I14.80 - Arabidopsis thaliana gi|2832675|emb|CAA16775.1| (AL021712) hypothetical protein [Arabidopsis thaliana] gi|7269070|emb|CAB79180.1| (AL161556) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46316	Seq. ID	OJ000306_15.0406.C5
Gene No.	98224	Strand	+
Start	13414	End	13494
Name	OJ000306_15.0406.C5.o2.gp	Method	AAT/GAP
Start	13414	End	13494
GI	38012_1.R1084	Score	101
Exons	13414..13494		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	46316	Seq. ID	OJ000306_15.0406.C5
Gene No.	98225	Strand	-
Start	6155	End	6332
Name	OJ000306_15.0406.C5.o1.gp	Method	AAT/GAP
Start	6155	End	6332
GI	none	Score	276
Exons	6155..6332		

Seq. No.	46316	Seq. ID	OJ000306_15.0406.C5
Gene No.	98226	Strand	-
Start	12935	End	14704

Name	OJ000306_15.0406.C5.o1.ts	Method	TBLASTX:Soybean
Start	8271	End	8420
GI	none	Score	224
Exons	8271..8420, 8272..8418		

Seq. No.	46316	Seq. ID	OJ000306_15.0406.C5
Gene No.	98226	Strand	-
Start	12935	End	14704
Name	OJ000306_15.0406.C5.o2.gs	Method	GENSCAN
Start	12935	End	14704
GI	none	Score	.51
Exons	12935..12994, 14042..14147, 14625..14704		

Seq. No.	46317	Seq. ID	OJ000306_15.0406.C6
Gene No.	98227	Strand	+
Start	451	End	1562
Name	OJ000306_15.0406.C6.o1.gs	Method	GENSCAN
Start	451	End	1562
GI	none	Score	.74
Exons	451..505, 1261..1562		

Seq. No.	46317	Seq. ID	OJ000306_15.0406.C6
Gene No.	98228	Strand	-
Start	3576	End	5580
Name	OJ000306_15.0406.C6.o2.gs	Method	GENSCAN
Start	3576	End	5539
GI	none	Score	.55
Exons	3576..3702, 4370..4513, 5415..5539		

Seq. No.	46317	Seq. ID	OJ000306_15.0406.C6
Gene No.	98228	Strand	-
Start	3576	End	5580
Name	OJ000306_15.0406.C6.o1.np	Method	AAT/NAP
Start	3579	End	5004
GI	5852084	Score	74
Exons	3579..3668, 4969..5004		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	46317	Seq. ID	OJ000306_15.0406.C6
Gene No.	98228	Strand	-
Start	3576	End	5580
Name	OJ000306_15.0406.C6.o2.np	Method	AAT/NAP
Start	5420	End	5580
GI	7211981	Score	146
Exons	5420..5580		
GI Descrip.	(AC004809) ESTs gb|N65605, gb|N38087, gb|T20485, gb|T13726, gb|N38339, gb|F15440 and gb|N97201 come from this gene. [Arabidopsis thaliana]		

Seq. No.	46318	Seq. ID	OJ000306_15.0406.C7
Gene No.	98229	Strand	-
Start	890	End	2018
Name	OJ000306_15.0406.C7.o1.gs	Method	GENSCAN
Start	890	End	2018
GI	none	Score	.68
Exons	890..1104, 1760..2018		

Seq. No.	46319	Seq. ID	OJ000306_15.0406.C8
Gene No.	98230	Strand	+
Start	1	End	2758
Name	OJ000306_15.0406.C8.o1.np	Method	AAT/NAP
Start	1	End	2758
GI	7211981	Score	139
Exons	1..102, 956..1058, 1255..1335, 2739..2758		
GI Descrip.	(AC004809) ESTs gb|N65605, gb|N38087, gb|T20485, gb|T13726, gb|N38339, gb|F15440 and gb|N97201 come from this gene. [Arabidopsis thaliana]		

Seq. No.	46319	Seq. ID	OJ000306_15.0406.C8
Gene No.	98230	Strand	+
Start	1	End	2758
Name	OJ000306_15.0406.C8.o1.gs	Method	GENSCAN
Start	964	End	2339
GI	none	Score	.47
Exons	964..1058, 1255..1331, 1572..1642, 2249..2339		

Seq. No.	46320	Seq. ID	OJ000306_15.0406.C9
Gene No.	98231	Strand	+
Start	92	End	353
Name	OJ000306_15.0406.C9.o1.gs	Method	GENSCAN
Start	92	End	353
GI	none	Score	.53
Exons	92..195, 272..353		

Seq. No.	46320	Seq. ID	OJ000306_15.0406.C9
Gene No.	98231	Strand	+
Start	92	End	353
Name	OJ000306_15.0406.C9.o1.np	Method	AAT/NAP
Start	123	End	353
GI	7211981	Score	69
Exons	123..195, 272..353		
GI Descrip.	(AC004809) ESTs gb|N65605, gb|N38087, gb|T20485, gb|T13726, gb|N38339, gb|F15440 and gb|N97201 come from this gene. [Arabidopsis thaliana]		

Seq. No.	46321	Seq. ID	OJ000306_15.0406.C13
Gene No.	98232	Strand	+
Start	98	End	280
Name	OJ000306_15.0406.C13.o1.gs	Method	GENSCAN
Start	98	End	280
GI	none	Score	.89
Exons	98..280		

Seq. No.	46322	Seq. ID	OJ000316_01.0413.C2
Gene No.	98233	Strand	-
Start	308	End	2355
Name	OJ000316_01.0413.C2.o1.gs	Method	GENSCAN
Start	308	End	2355
GI	none	Score	.95
Exons	308..580, 1535..2355		

Seq. No.	46322	Seq. ID	OJ000316_01.0413.C2
Gene No.	98234	Strand	-
Start	2882	End	3430

Name	OJ000316_01.0413.C2.o2.gs	Method	GENSCAN
Start	2882	End	3430
GI	none	Score	.83
Exons	2882..3004, 3383..3430		

Seq. No.	46322	Seq. ID	OJ000316_01.0413.C2
Gene No.	98235	Strand	-
Start	3809	End	9568
Name	OJ000316_01.0413.C2.o1.np	Method	AAT/NAP
Start	3809	End	9568
GI	4680207	Score	1124
Exons	3809..3836, 5664..7373, 8707..8951, 8980..9568		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	46322	Seq. ID	OJ000316_01.0413.C2
Gene No.	98236	Strand	-
Start	11649	End	21893
Name	OJ000316_01.0413.C2.o4.gs	Method	GENSCAN
Start	11649	End	21893
GI	none	Score	.62
Exons	11649..11764, 12790..13097, 14119..14378, 14567..14731, 15789..16646, 16725..16841, 16925..16976, 17397..17448, 17545..17643, 17724..17808, 18697..18762, 19079..19266, 21590..21893		

Seq. No.	46322	Seq. ID	OJ000316_01.0413.C2
Gene No.	98236	Strand	-
Start	11649	End	21893
Name	OJ000316_01.0413.C2.o2.np	Method	AAT/NAP
Start	13477	End	19551
GI	7488864	Score	334
Exons	13477..13509, 16400..16646, 16725..16841, 16925..16976, 17397..17448, 17542..17643, 17724..17808, 17900..17948, 18029..18096, 18694..18803, 19511..19551		
GI Descrip.	probable transcription factor - fava bean gi|2104683|emb|CAA66482.1| (X97908) transcription factor [Vicia faba]		

Seq. No.	46322	Seq. ID	OJ000316_01.0413.C2
Gene No.	98236	Strand	-
Start	11649	End	21893
Name	OJ000316_01.0413.C2.o1.gp	Method	AAT/GAP
Start	13846	End	14160
GI	2800364	Score	575
Exons	13846..14160		

Seq. No.	46322	Seq. ID	OJ000316_01.0413.C2
Gene No.	98236	Strand	-
Start	11649	End	21893
Name	OJ000316_01.0413.C2.o3.np	Method	AAT/NAP
Start	14546	End	19415
GI	2342694	Score	186
Exons	14546..14620, 16555..16646, 16778..16841, 16925..16970, 17352..18067, 19389..19415		
GI Descrip.	(AC000106) Similar to Vicia transcription factor (gb|X97908). [Arabidopsis thaliana]		

Seq. No.	46322	Seq. ID	OJ000316_01.0413.C2
Gene No.	98237	Strand	-
Start	23908	End	24125
Name	OJ000316_01.0413.C2.o2.tm	Method	TBLASTX:Maize
Start	1	End	7126
GI	none	Score	113
Exons	1..249, 34..243, 6878..7126, 6893..7120		

Seq. No.	46322	Seq. ID	OJ000316_01.0413.C2
Gene No.	98237	Strand	-
Start	23908	End	24125
Name	OJ000316_01.0413.C2.o1.ts	Method	TBLASTX:Soybean
Start	7	End	7229
GI	none	Score	77
Exons	7..249, 259..351, 6864..7088, 6869..7135, 7130..7228, 7161..7229		

Seq. No.	46322	Seq. ID	OJ000316_01.0413.C2
Gene No.	98237	Strand	-
Start	23908	End	24125
Name	OJ000316_01.0413.C2.o2.tw	Method	TBLASTX:Wheat
Start	28	End	7021
GI	none	Score	87
Exons	28..144, 34..126, 38..127, 6728..6817, 6821..6886, 6822..6887, 6905..7021, 6911..7003, 6915..7004		

Seq. No.	46322	Seq. ID	OJ000316_01.0413.C2
Gene No.	98237	Strand	-
Start	23908	End	24125
Name	OJ000316_01.0413.C2.o1.tc	Method	TBLASTX:Cress
Start	43	End	8942
GI	none	Score	70
Exons	43..186, 181..393, 529..582, 1705..1767, 6731..6802, 6920..7072, 7058..7270, 7406..7471, 8880..8942		

Seq. No.	46322	Seq. ID	OJ000316_01.0413.C2
Gene No.	98237	Strand	-
Start	23908	End	24125
Name	OJ000316_01.0413.C2.o1.tw	Method	TBLASTX:Wheat
Start	6263	End	6613
GI	none	Score	41
Exons	6263..6289, 6265..6285, 6294..6611, 6296..6613		

Seq. No.	46322	Seq. ID	OJ000316_01.0413.C2
Gene No.	98237	Strand	-
Start	23908	End	24125
Name	OJ000316_01.0413.C2.o1.tm	Method	TBLASTX:Maize
Start	16444	End	16829
GI	none	Score	35
Exons	16444..16488, 16456..16488, 16524..16649, 16524..16649, 16722..16829, 16732..16821		

Seq. No.	46322	Seq. ID	OJ000316_01.0413.C2
Gene No.	98237	Strand	-
Start	23908	End	24125
Name	OJ000316_01.0413.C2.o5.gs	Method	GENSCAN
Start	23908	End	24125

GI	none	Score	.85
Exons	23908..24030, 24077..24125		

Seq. No.	46323	Seq. ID	OJ000316_01.0413.C3
Gene No.	98238	Strand	+
Start	574	End	1281
Name	OJ000316_01.0413.C3.o1.gs	Method	GENSCAN
Start	574	End	1281
GI	none	Score	.73
Exons	574..638, 1226..1281		

Seq. No.	46324	Seq. ID	OJ000316_01.0413.C4
Gene No.	98239	Strand	+
Start	1624	End	3049
Name	OJ000316_01.0413.C4.o2.np	Method	AAT/NAP
Start	1624	End	3049
GI	5852084	Score	84
Exons	1624..1692, 2966..3049		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	46324	Seq. ID	OJ000316_01.0413.C4
Gene No.	98240	Strand	+
Start	5199	End	13343
Name	OJ000316_01.0413.C4.o3.np	Method	AAT/NAP
Start	5199	End	13343
GI	4006880	Score	237
Exons	5199..5456, 8700..8737, 8961..9287, 9397..9462, 9574..9639, 10690..10769, 13312..13343		
GI Descrip.	(Z99707) putative protein [Arabidopsis thaliana] gi|7270642|emb|CAB80359.1| (AL161590) putative protein [Arabidopsis thaliana]		

Seq. No.	46324	Seq. ID	OJ000316_01.0413.C4
Gene No.	98240	Strand	+
Start	5199	End	13343
Name	OJ000316_01.0413.C4.o3.gs	Method	GENSCAN
Start	8949	End	9850
GI	none	Score	.66
Exons	8949..9287, 9397..9462, 9574..9639, 9758..9850		

Seq. No.	46324	Seq. ID	OJ000316_01.0413.C4
Gene No.	98240	Strand	+
Start	5199	End	13343
Name	OJ000316_01.0413.C4.o2.gp	Method	AAT/GAP
Start	11294	End	12352
GI	none	Score	950
Exons	11294..11407, 11963..12352		

Seq. No.	46324	Seq. ID	OJ000316_01.0413.C4
Gene No.	98241	Strand	-
Start	1	End	2613
Name	OJ000316_01.0413.C4.o1.gp	Method	AAT/GAP
Start	1	End	1110
GI	22347_1.R1084	Score	499
Exons	1..219, 1035..1110		
GI Descrip.	'5596470/emb|CAB51408.1| 8.0e-40 (AL096882) protein phosphatase type 1 PP1BG [Arabidopsis thaliana]'		

Seq. No.	46324	Seq. ID	OJ000316_01.0413.C4
Gene No.	98241	Strand	-
Start	1	End	2613
Name	OJ000316_01.0413.C4.o1.np	Method	AAT/NAP
Start	3	End	2613
GI	1346763	Score	1392
Exons	3..219, 1035..1594, 2436..2613		
GI Descrip.	SERINE/THREONINE PROTEIN PHOSPHATASE PP1 gi|1084363|pir||S46282 phosphoprotein phosphatase (EC 3.1.3.16) 1 - alfalfa gi|575672|emb|CAA56766.1| (X80788) potentially catalitic subunit of the ser /thr protein phosphatase 1 [Medicago sativa subsp. X varia]		

Seq. No.	46324	Seq. ID	OJ000316_01.0413.C4
Gene No.	98241	Strand	-
Start	1	End	2613
Name	OJ000316_01.0413.C4.o1.gs	Method	GENSCAN
Start	7	End	2613
GI	none	Score	.84
Exons	7..219, 1035..1594, 2436..2613		

Seq. No.	46324	Seq. ID	OJ000316_01.0413.C4
Gene No.	98242	Strand	-
Start	10986	End	13165
Name	OJ000316_01.0413.C4.o1.tm	Method	TBLASTX:Maize
Start	22	End	2595
GI	none	Score	275
Exons	22..222, 23..220, 37..222, 1011..1601, 1021..1596, 2434..2553, 2435..2542, 2518..2595		

Seq. No.	46324	Seq. ID	OJ000316_01.0413.C4
Gene No.	98242	Strand	-
Start	10986	End	13165
Name	OJ000316_01.0413.C4.o2.tw	Method	TBLASTX:Wheat
Start	34	End	1110
GI	none	Score	169
Exons	34..222, 35..220, 85..222, 1020..1109, 1021..1110		

Seq. No.	46324	Seq. ID	OJ000316_01.0413.C4
Gene No.	98242	Strand	-
Start	10986	End	13165
Name	OJ000316_01.0413.C4.o1.tc	Method	TBLASTX:Cress
Start	43	End	2553
GI	none	Score	210
Exons	43..222, 44..220, 50..229, 58..222, 1011..1601, 1021..1596, 1064..1612, 2434..2553, 2435..2536		

Seq. No.	46324	Seq. ID	OJ000316_01.0413.C4
Gene No.	98242	Strand	-
Start	10986	End	13165
Name	OJ000316_01.0413.C4.o1.ts	Method	TBLASTX:Soybean
Start	61	End	2547
GI	none	Score	154
Exons	61..222, 68..220, 1011..1601, 1021..1596, 2434..2547, 2435..2539		

Seq. No.	46324	Seq. ID	OJ000316_01.0413.C4

Gene No.	98242	Strand	-
Start	10986	End	13165
Name	OJ000316_01.0413.C4.o1.tw	Method	TBLASTX:Wheat
Start	1162	End	1592
GI	none	Score	688
Exons	1162..1590, 1164..1592		

Seq. No.	46324	Seq. ID	OJ000316_01.0413.C4
Gene No.	98242	Strand	-
Start	10986	End	13165
Name	OJ000316_01.0413.C4.o4.gs	Method	GENSCAN
Start	10986	End	13165
GI	none	Score	.8
Exons	10986..11002, 12066..12158, 13079..13165		

Seq. No.	46325	Seq. ID	OJ000316_01.0413.C5
Gene No.	98243	Strand	+
Start	103	End	471
Name	OJ000316_01.0413.C5.o1.gs	Method	GENSCAN
Start	103	End	471
GI	none	Score	.98
Exons	103..471		

Seq. No.	46325	Seq. ID	OJ000316_01.0413.C5
Gene No.	98244	Strand	+
Start	6892	End	7488
Name	OJ000316_01.0413.C5.o3.gs	Method	GENSCAN
Start	6892	End	7488
GI	none	Score	.49
Exons	6892..7267, 7466..7488		

Seq. No.	46325	Seq. ID	OJ000316_01.0413.C5
Gene No.	98245	Strand	+
Start	11914	End	13176
Name	OJ000316_01.0413.C5.o5.gs	Method	GENSCAN
Start	11914	End	13176
GI	none	Score	.81
Exons	11914..11937, 13093..13176		

Seq. No.	46325	Seq. ID	OJ000316_01.0413.C5
Gene No.	98246	Strand	+
Start	18392	End	18469
Name	OJ000316_01.0413.C5.o2.gp	Method	AAT/GAP
Start	18392	End	18469
GI	LIB3477-003-P1-K1-E9	Score	113
Exons	18392..18469		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46325	Seq. ID	OJ000316_01.0413.C5
Gene No.	98247	Strand	+
Start	19122	End	19958
Name	OJ000316_01.0413.C5.o7.gs	Method	GENSCAN
Start	19122	End	19958
GI	none	Score	.65
Exons	19122..19367, 19929..19958		

Seq. No.	46325	Seq. ID	OJ000316_01.0413.C5
Gene No.	98248	Strand	-
Start	278	End	675
Name	OJ000316_01.0413.C5.o1.gp	Method	AAT/GAP
Start	278	End	675
GI	none	Score	776
Exons	278..675		

Seq. No.	46325	Seq. ID	OJ000316_01.0413.C5
Gene No.	98249	Strand	-
Start	15692	End	18114
Name	OJ000316_01.0413.C5.o1.ts	Method	TBLASTX:Soybean
Start	3402	End	16537
GI	none	Score	162
Exons	3402..3521, 3625..3921, 3627..4112, 3964..4056, 4125..4214, 4151..4174, 8204..8326, 8433..8732, 8435..8920, 8772..8864, 8933..8983, 15710..15847, 15956..16102, 15957..16088, 16101..16256, 16103..16444, 16457..16537		

Seq. No.	46325	Seq. ID	OJ000316_01.0413.C5
Gene No.	98249	Strand	-
Start	15692	End	18114
Name	OJ000316_01.0413.C5.o1.tm	Method	TBLASTX:Maize
Start	3402	End	16600
GI	none	Score	67
Exons	3402..3521, 3625..3741, 3627..4112, 3772..3858, 4125..4205, 4204..4284, 8210..8326, 8433..8666, 8435..8920, 8769..8921, 8933..8983, 9014..9094, 15956..16084, 15957..16067, 16100..16444, 16104..16190, 16212..16247, 16457..16537, 16514..16600		

Seq. No.	46325	Seq. ID	OJ000316_01.0413.C5
Gene No.	98249	Strand	-
Start	15692	End	18114
Name	OJ000316_01.0413.C5.o1.tc	Method	TBLASTX:Cress
Start	3405	End	17716
GI	none	Score	64
Exons	3405..3509, 3595..3732, 3621..3941, 3772..3924, 3978..4145, 3979..4113, 4161..4205, 4201..4248, 4819..5025, 5296..5388, 8204..8314, 8429..8749, 8433..8726, 8774..8953, 8787..8954, 8969..9058, 9632..9838, 10108..10200, 15695..15835, 15950..16084, 15957..16061, 16083..16250, 16094..16273, 16293..16445, 16295..16477, 16493..16582, 16497..16541, 17141..17347, 17558..17716		

Seq. No.	46325	Seq. ID	OJ000316_01.0413.C5
Gene No.	98249	Strand	-
Start	15692	End	18114
Name	OJ000316_01.0413.C5.o1.tw	Method	TBLASTX:Wheat
Start	3675	End	16426
GI	none	Score	166
Exons	3675..3773, 3759..3941, 3760..3942, 3939..4094, 3964..4092, 8483..8560, 8576..8749, 8577..8726, 8587..8739, 8588..8740, 8771..8902, 8772..8900, 16004..16273, 16011..16250, 16091..16264, 16093..16275, 16280..16426, 16296..16424		

Seq. No.	46325	Seq. ID	OJ000316_01.0413.C5
Gene No.	98249	Strand	-
Start	15692	End	18114
Name	OJ000316_01.0413.C5.o2.tm	Method	TBLASTX:Maize
Start	5158	End	17805
GI	none	Score	48
Exons	5158..5256, 5166..5261, 5275..5352, 5276..5350, 9962..10069, 9979..10041, 10090..10164, 10091..10162, 17423..17572, 17436..17573, 17597..17674, 17598..17666, 17690..17752, 17761..17805		

Seq. No.	46325	Seq. ID	OJ000316_01.0413.C5
Gene No.	98249	Strand	-
Start	15692	End	18114
Name	OJ000316_01.0413.C5.o2.ts	Method	TBLASTX:Soybean
Start	5368	End	17965
GI	none	Score	66
Exons	5368..5571, 5569..5652, 10180..10383, 10274..10369, 10381..10455, 17690..17893, 17790..17879, 17891..17965		

Seq. No.	46325	Seq. ID	OJ000316_01.0413.C5
Gene No.	98249	Strand	-
Start	15692	End	18114
Name	OJ000316_01.0413.C5.o6.gs	Method	GENSCAN
Start	15692	End	18103
GI	none	Score	1
Exons	15692..18103		

Seq. No.	46325	Seq. ID	OJ000316_01.0413.C5
Gene No.	98249	Strand	-
Start	15692	End	18114
Name	OJ000316_01.0413.C5.o1.np	Method	AAT/NAP
Start	15695	End	18114
GI	479356	Score	1690
Exons	15695..18114		
GI Descrip.	protein kinase PK1 (EC 2.7.1.-), receptor-like - maize		

Seq. No.	46326	Seq. ID	OJ000316_01.0413.C6
Gene No.	98250	Strand	-
Start	901	End	2682
Name	OJ000316_01.0413.C6.o1.gs	Method	GENSCAN
Start	901	End	2682
GI	none	Score	.96
Exons	901..1218, 1302..1789, 1860..2682		

Seq. No.	46326	Seq. ID	OJ000316_01.0413.C6
Gene No.	98251	Strand	-
Start	4962	End	7303
Name	OJ000316_01.0413.C6.o2.gs	Method	GENSCAN
Start	4962	End	7259
GI	none	Score	.72
Exons	4962..6439, 6953..7259		

Seq. No.	46326	Seq. ID	OJ000316_01.0413.C6
Gene No.	98251	Strand	-
Start	4962	End	7303
Name	OJ000316_01.0413.C6.o1.np	Method	AAT/NAP

Start	4965	End	7303
GI	479356	Score	1646
Exons	4965..7303		
GI Descrip.	protein kinase PK1 (EC 2.7.1.-), receptor-like - maize		

Seq. No.	46326	Seq. ID	OJ000316_01.0413.C6
Gene No.	98251	Strand	-
Start	4962	End	7303
Name	OJ000316_01.0413.C6.o1.tc	Method	TBLASTX:Cress
Start	4965	End	6983
GI	none	Score	58
Exons	4965..5105, 5220..5336, 5227..5331, 5364..5543, 5365..5520, 5565..5747, 5581..5715, 5763..5852, 5767..5829, 6411..6617, 6828..6983		

Seq. No.	46326	Seq. ID	OJ000316_01.0413.C6
Gene No.	98251	Strand	-
Start	4962	End	7303
Name	OJ000316_01.0413.C6.o1.tm	Method	TBLASTX:Maize
Start	4980	End	5904
GI	none	Score	70
Exons	4980..5105, 5226..5354, 5227..5337, 5370..5714, 5374..5517, 5727..5804, 5833..5904		

Seq. No.	46326	Seq. ID	OJ000316_01.0413.C6
Gene No.	98251	Strand	-
Start	4962	End	7303
Name	OJ000316_01.0413.C6.o3.ts	Method	TBLASTX:Soybean
Start	4980	End	5357
GI	none	Score	79
Exons	4980..5117, 5226..5357, 5227..5331		

Seq. No.	46326	Seq. ID	OJ000316_01.0413.C6
Gene No.	98251	Strand	-
Start	4962	End	7303
Name	OJ000316_01.0413.C6.o1.tw	Method	TBLASTX:Wheat
Start	5274	End	5696
GI	none	Score	213
Exons	5274..5543, 5281..5520, 5382..5537, 5568..5696, 5575..5694		

Seq. No.	46326	Seq. ID	OJ000316_01.0413.C6
Gene No.	98251	Strand	-
Start	4962	End	7303
Name	OJ000316_01.0413.C6.o1.ts	Method	TBLASTX:Soybean
Start	5388	End	5837
GI	none	Score	72
Exons	5388..5537, 5388..5540, 5389..5541, 5559..5828, 5560..5802, 5583..5837		

Seq. No.	46326	Seq. ID	OJ000316_01.0413.C6
Gene No.	98251	Strand	-
Start	4962	End	7303
Name	OJ000316_01.0413.C6.o2.tm	Method	TBLASTX:Maize
Start	6693	End	6944
GI	none	Score	48
Exons	6693..6842, 6748..6786, 6867..6944, 6868..6936		

Seq. No.	46326	Seq. ID	OJ000316_01.0413.C6
Gene No.	98251	Strand	-
Start	4962	End	7303
Name	OJ000316_01.0413.C6.o2.ts	Method	TBLASTX:Soybean
Start	6978	End	7289
GI	none	Score	118
Exons	6978..7187, 7161..7289		

Seq. No.	46327	Seq. ID	OJ000316_01.0413.C7
Gene No.	98252	Strand	+
Start	1	End	849
Name	OJ000316_01.0413.C7.o1.np	Method	AAT/NAP
Start	1	End	849
GI	5852084	Score	89
Exons	1..37, 711..849		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	46327	Seq. ID	OJ000316_01.0413.C7
Gene No.	98253	Strand	+
Start	2191	End	4486
Name	OJ000316_01.0413.C7.o1.gs	Method	GENSCAN
Start	2191	End	3671
GI	none	Score	.73
Exons	2191..2307, 2596..2749, 2842..3273, 3314..3593, 3635..3671		

Seq. No.	46327	Seq. ID	OJ000316_01.0413.C7
Gene No.	98253	Strand	+
Start	2191	End	4486
Name	OJ000316_01.0413.C7.o2.np	Method	AAT/NAP
Start	2835	End	4486
GI	5091497	Score	2130
Exons	2835..3273, 3314..3593, 3936..4486		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana mRNA for DREB1B, complete cds.(AB007788) [Oryza sativa]		

Seq. No.	46327	Seq. ID	OJ000316_01.0413.C7
Gene No.	98254	Strand	+
Start	6348	End	6852
Name	OJ000316_01.0413.C7.o1.gp	Method	AAT/GAP
Start	6286	End	6852
GI	29836_1.R1084	Score	694
Exons	6286..6479, 6578..6657, 6756..6852		
GI Descrip.	'5091498/dbj|BAA78733.1| 4.0e-83 (AB023482) ESTs AU058067(E20733), AAU058070(E20873) correspond to a region of the predicted gene.; Similar to Populus tremuloides caffeoyl-CoA 3-O-methyltransferase mRNA, complete cds.(U27116) [Oryza sativa]'		

Seq. No.	46327	Seq. ID	OJ000316_01.0413.C7
Gene No.	98254	Strand	+
Start	6348	End	6852
Name	OJ000316_01.0413.C7.o3.gs	Method	GENSCAN
Start	6348	End	6843
GI	none	Score	.47
Exons	6348..6479, 6578..6657, 6756..6843		

Seq. No.	46327	Seq. ID	OJ000316_01.0413.C7

Gene No.	98254	Strand	+
Start	6348	End	6852
Name	OJ000316_01.0413.C7.o4.np	Method	AAT/NAP
Start	6348	End	6852
GI	5091498	Score	466
Exons	6348..6479, 6578..6657, 6756..6852		
GI Descrip.	(AB023482) ESTs AU058067(E20733), AAU058070(E20873) correspond to a region of the predicted gene.; Similar to Populus tremuloides caffeoyl-CoA 3-O-methyltransferase mRNA, complete cds.(U27116) [Oryza sativa]		

Seq. No.	46327	Seq. ID	OJ000316_01.0413.C7
Gene No.	98255	Strand	-
Start	3855	End	5876
Name	OJ000316_01.0413.C7.o2.tm	Method	TBLASTX:Maize
Start	3118	End	3387
GI	none	Score	294
Exons	3118..3387, 3168..3218, 3197..3316		

Seq. No.	46327	Seq. ID	OJ000316_01.0413.C7
Gene No.	98255	Strand	-
Start	3855	End	5876
Name	OJ000316_01.0413.C7.o2.tc	Method	TBLASTX:Cress
Start	3169	End	3477
GI	none	Score	98
Exons	3169..3246, 3253..3294, 3301..3477		

Seq. No.	46327	Seq. ID	OJ000316_01.0413.C7
Gene No.	98255	Strand	-
Start	3855	End	5876
Name	OJ000316_01.0413.C7.o2.ts	Method	TBLASTX:Soybean
Start	3175	End	3477
GI	none	Score	79
Exons	3175..3246, 3259..3477		

Seq. No.	46327	Seq. ID	OJ000316_01.0413.C7
Gene No.	98255	Strand	-
Start	3855	End	5876
Name	OJ000316_01.0413.C7.o2.gs	Method	GENSCAN
Start	3855	End	4847
GI	none	Score	.69
Exons	3855..3968, 4009..4406, 4565..4847		

Seq. No.	46327	Seq. ID	OJ000316_01.0413.C7
Gene No.	98255	Strand	-
Start	3855	End	5876
Name	OJ000316_01.0413.C7.o3.np	Method	AAT/NAP
Start	4568	End	5876
GI	5777617	Score	87
Exons	4568..4687, 5819..5876		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	46327	Seq. ID	OJ000316_01.0413.C7
Gene No.	98256	Strand	
Start	6396	End	6852
Name	OJ000316_01.0413.C7.o1.tm	Method	TBLASTX:Maize
Start	6396	End	6852

GI	none	Score	133
Exons	6396..6479, 6398..6445, 6401..6508, 6575..6658, 6577..6666, 6756..6851, 6756..6851, 6757..6852		

Seq. No.	46327	Seq. ID	OJ000316_01.0413.C7
Gene No.	98256	Strand	
Start	6396	End	6852
Name	OJ000316_01.0413.C7.o1.tc	Method	TBLASTX:Cress
Start	6417	End	6852
GI	none	Score	90
Exons	6417..6479, 6575..6658, 6577..6666, 6756..6851, 6757..6852		

Seq. No.	46327	Seq. ID	OJ000316_01.0413.C7
Gene No.	98256	Strand	
Start	6396	End	6852
Name	OJ000316_01.0413.C7.o1.ts	Method	TBLASTX:Soybean
Start	6426	End	6852
GI	none	Score	78
Exons	6426..6479, 6575..6658, 6577..6672, 6577..6660, 6756..6851, 6756..6851, 6757..6852		

Seq. No.	46328	Seq. ID	OJ000316_01.0413.C8
Gene No.	98257	Strand	+
Start	1	End	2944
Name	OJ000316_01.0413.C8.o1.gp	Method	AAT/GAP
Start	1	End	190
GI	29836_1.R1084	Score	354
Exons	1..190		
GI Descrip.	'5091498/dbj|BAA78733.1| 4.0e-83 (AB023482) ESTs AU058067(E20733), AAU058070(E20873) correspond to a region of the predicted gene.; Similar to Populus tremuloides caffeoyl-CoA 3-O-methyltransferase mRNA, complete cds.(U27116) [Oryza sativa]'		

Seq. No.	46328	Seq. ID	OJ000316_01.0413.C8
Gene No.	98257	Strand	+
Start	1	End	2944
Name	OJ000316_01.0413.C8.o1.np	Method	AAT/NAP
Start	1	End	416
GI	5091498	Score	730
Exons	1..416		
GI Descrip.	(AB023482) ESTs AU058067(E20733), AAU058070(E20873) correspond to a region of the predicted gene.; Similar to Populus tremuloides caffeoyl-CoA 3-O-methyltransferase mRNA, complete cds.(U27116) [Oryza sativa]		

Seq. No.	46328	Seq. ID	OJ000316_01.0413.C8
Gene No.	98257	Strand	+
Start	1	End	2944
Name	OJ000316_01.0413.C8.o1.gs	Method	GENSCAN
Start	3	End	2944
GI	none	Score	.64
Exons	3..415, 1149..1176, 2039..2206, 2245..2453, 2680..2783, 2874..2944		

Seq. No.	46328	Seq. ID	OJ000316_01.0413.C8
Gene No.	98257	Strand	+

Start	1	End	2944
Name	OJ000316_01.0413.C8.o2.gp	Method	AAT/GAP
Start	222	End	633
GI	31747_1.R1084	Score	712
Exons	222..633		
GI Descrip.	'5091498/dbj|BAA78733.1| 6.0e-26 (AB023482) ESTs AU058067(E20733), AAU058070(E20873) correspond to a region of the predicted gene.; Similar to Populus tremuloides caffeoyl-CoA 3-O-methyltransferase mRNA, complete cds.(U27116) [Oryza sativa]'		

Seq. No.	46328	Seq. ID	OJ000316_01.0413.C8
Gene No.	98257	Strand	+
Start	1	End	2944
Name	OJ000316_01.0413.C8.o2.np	Method	AAT/NAP
Start	1687	End	2941
GI	5091499	Score	1646
Exons	1687..2419, 2606..2783, 2902..2941		
GI Descrip.	(AB023482) Similar to Human mRNA for alpha 1 (III) collagen fragment (aa 892-1023).(X01655) [Oryza sativa]		

Seq. No.	46328	Seq. ID	OJ000316_01.0413.C8
Gene No.	98258	Strand	+
Start	9060	End	9396
Name	OJ000316_01.0413.C8.o5.np	Method	AAT/NAP
Start	9060	End	9396
GI	5091502	Score	214
Exons	9060..9210, 9358..9396		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	46328	Seq. ID	OJ000316_01.0413.C8
Gene No.	98259	Strand	-
Start	3016	End	6803
Name	OJ000316_01.0413.C8.o3.np	Method	AAT/NAP
Start	3016	End	4791
GI	5091500	Score	1031
Exons	3016..3420, 4594..4791		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	46328	Seq. ID	OJ000316_01.0413.C8
Gene No.	98259	Strand	-
Start	3016	End	6803
Name	OJ000316_01.0413.C8.o3.gp	Method	AAT/GAP
Start	4306	End	6803
GI	LIB3432-032-P2-K1-F7	Score	1264
Exons	4306..4785, 6075..6173, 6721..6803		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 1.0e-160 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	46328	Seq. ID	OJ000316_01.0413.C8
Gene No.	98260	Strand	-
Start	6706	End	8376
Name	OJ000316_01.0413.C8.o1.tm	Method	TBLASTX:Maize
Start	2	End	404
GI	none	Score	631
Exons	2..160, 3..404, 195..287, 206..397		

Seq. No.	46328	Seq. ID	OJ000316_01.0413.C8
Gene No.	98260	Strand	-
Start	6706	End	8376
Name	OJ000316_01.0413.C8.o1.ts	Method	TBLASTX:Soybean
Start	2	End	404
GI	none	Score	614
Exons	2..160, 3..404, 203..397		

Seq. No.	46328	Seq. ID	OJ000316_01.0413.C8
Gene No.	98260	Strand	-
Start	6706	End	8376
Name	OJ000316_01.0413.C8.o1.tc	Method	TBLASTX:Cress
Start	59	End	404
GI	none	Score	528
Exons	59..160, 60..404, 203..298, 365..397		

Seq. No.	46328	Seq. ID	OJ000316_01.0413.C8
Gene No.	98260	Strand	-
Start	6706	End	8376
Name	OJ000316_01.0413.C8.o2.ts	Method	TBLASTX:Soybean
Start	4627	End	6862
GI	none	Score	83
Exons	4627..4797, 4640..4801, 6063..6173, 6075..6167, 6082..6171, 6718..6849, 6718..6852, 6731..6862		

Seq. No.	46328	Seq. ID	OJ000316_01.0413.C8
Gene No.	98260	Strand	-
Start	6706	End	8376
Name	OJ000316_01.0413.C8.o3.tm	Method	TBLASTX:Maize
Start	4702	End	7306
GI	none	Score	105
Exons	4702..4788, 4702..4791, 6063..6173, 6075..6161, 6079..6180, 6079..6180, 6718..6855, 6719..6856, 6721..6855, 6731..6859, 7009..7155, 7010..7174, 7139..7162, 7241..7306		

Seq. No.	46328	Seq. ID	OJ000316_01.0413.C8
Gene No.	98260	Strand	-
Start	6706	End	8376
Name	OJ000316_01.0413.C8.o4.np	Method	AAT/NAP
Start	6706	End	8376
GI	5091501	Score	1323
Exons	6706..6856, 7010..7156, 7242..7407, 8016..8376		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	46328	Seq. ID	OJ000316_01.0413.C8
Gene No.	98260	Strand	-
Start	6706	End	8376
Name	OJ000316_01.0413.C8.o4.gp	Method	AAT/GAP
Start	7330	End	7780
GI	2798494	Score	874
Exons	7330..7780		
GI Descrip.	5091496/dbj|AB023482.2|AB023482 1.0e-160 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	46328	Seq. ID	OJ000316_01.0413.C8
Gene No.	98261	Strand	
Start	9153	End	9396

Name	OJ000316_01.0413.C8.o2.tm	Method	TBLASTX:Maize
Start	9153	End	9396
GI	none	Score	331
Exons	9153..9395, 9184..9396, 9233..9394		

Seq. No.	46329	Seq. ID	OJ000316_01.0413.C10
Gene No.	98262	Strand	+
Start	1	End	184
Name	OJ000316_01.0413.C10.o1.np	Method	AAT/NAP
Start	1	End	184
GI	7242910	Score	83
Exons	1..36, 92..184		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	46330	Seq. ID	OJ000316_03.0410.C2
Gene No.	98263	Strand	+
Start	1159	End	1595
Name	OJ000316_03.0410.C2.o1.gs	Method	GENSCAN
Start	1159	End	1595
GI	none	Score	.94
Exons	1159..1595		

Seq. No.	46330	Seq. ID	OJ000316_03.0410.C2
Gene No.	98264	Strand	+
Start	6753	End	13972
Name	OJ000316_03.0410.C2.o3.gs	Method	GENSCAN
Start	6753	End	13972
GI	none	Score	.42
Exons	6753..6903, 6905..7094, 7887..8067, 8210..8281, 10444..10594, 10619..10711, 11378..11490, 11817..12032, 12658..12825, 13802..13972		

Seq. No.	46330	Seq. ID	OJ000316_03.0410.C2
Gene No.	98265	Strand	+
Start	17656	End	17817
Name	OJ000316_03.0410.C2.o4.gs	Method	GENSCAN
Start	17656	End	17817
GI	none	Score	.62
Exons	17656..17817		

Seq. No.	46330	Seq. ID	OJ000316_03.0410.C2
Gene No.	98266	Strand	+
Start	26684	End	27877
Name	OJ000316_03.0410.C2.o8.gs	Method	GENSCAN
Start	26684	End	27877
GI	none	Score	.95
Exons	26684..26711, 27531..27618, 27751..27877		

Seq. No.	46330	Seq. ID	OJ000316_03.0410.C2
Gene No.	98267	Strand	+
Start	28542	End	29812
Name	OJ000316_03.0410.C2.o9.gs	Method	GENSCAN
Start	28542	End	29812
GI	none	Score	.4
Exons	28542..28652, 29342..29812		

Seq. No.	46330	Seq. ID	OJ000316_03.0410.C2

Gene No.	98268	Strand	-
Start	2247	End	6881
Name	OJ000316_03.0410.C2.o1.np	Method	AAT/NAP
Start	2247	End	6881
GI	6069646	Score	282
Exons	2247..2822, 6811..6881		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	46330	Seq. ID	OJ000316_03.0410.C2
Gene No.	98269	Strand	-
Start	12456	End	12916
Name	OJ000316_03.0410.C2.o1.gp	Method	AAT/GAP
Start	12456	End	12916
GI	2311894	Score	808
Exons	12456..12916		

Seq. No.	46330	Seq. ID	OJ000316_03.0410.C2
Gene No.	98270	Strand	-
Start	19083	End	19909
Name	OJ000316_03.0410.C2.o5.gs	Method	GENSCAN
Start	19083	End	19909
GI	none	Score	.63
Exons	19083..19303, 19440..19562, 19825..19909		

Seq. No.	46330	Seq. ID	OJ000316_03.0410.C2
Gene No.	98271	Strand	-
Start	20695	End	21854
Name	OJ000316_03.0410.C2.o6.gs	Method	GENSCAN
Start	20695	End	21854
GI	none	Score	.67
Exons	20695..20870, 20915..21003, 21763..21854		

Seq. No.	46330	Seq. ID	OJ000316_03.0410.C2
Gene No.	98272	Strand	-
Start	23536	End	24644
Name	OJ000316_03.0410.C2.o2.np	Method	AAT/NAP
Start	23536	End	24644
GI	6815053	Score	769
Exons	23536..23772, 23822..23997, 24498..24644		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98273	Strand	+
Start	1	End	4550
Name	OJ000316_03.0410.C3.o1.np	Method	AAT/NAP
Start	1	End	3838
GI	4680203	Score	2670
Exons	1..46, 705..2375, 2529..2609, 2645..3100, 3180..3838		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98273	Strand	+
Start	1	End	4550

Name	OJ000316_03.0410.C3.o1.gp	Method	AAT/GAP
Start	716	End	4550
GI	342_1.R1084	Score	5937
Exons	716..2609, 2645..4550		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98273	Strand	+
Start	1	End	4550
Name	OJ000316_03.0410.C3.o1.gs	Method	GENSCAN
Start	893	End	3706
GI	none	Score	.45
Exons	893..1516, 1819..2200, 2440..2589, 2790..3706		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98274	Strand	+
Start	5155	End	10016
Name	OJ000316_03.0410.C3.o2.gs	Method	GENSCAN
Start	5155	End	10016
GI	none	Score	.49
Exons	5155..5364, 6357..6600, 6682..7505, 7593..7778, 7874..8015, 8226..8861, 8882..8922, 9027..9199, 9294..9404, 9488..9560, 9652..9750, 9834..10016		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98274	Strand	+
Start	5155	End	10016
Name	OJ000316_03.0410.C3.o2.np	Method	AAT/NAP
Start	6342	End	10003
GI	4680204	Score	865
Exons	6342..7778, 7874..8922, 9018..9199, 9294..9424, 9775..10003		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98275	Strand	-
Start	3478	End	3922
Name	OJ000316_03.0410.C3.o2.gp	Method	AAT/GAP
Start	3478	End	3922
GI	LIB3431-028-P1-N1-A10	Score	766
Exons	3478..3824, 3852..3922		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98276	Strand	-
Start	10878	End	11276
Name	OJ000316_03.0410.C3.o3.tw	Method	TBLASTX:Wheat
Start	1010	End	1406
GI	none	Score	99
Exons	1010..1162, 1145..1396, 1153..1395, 1156..1398, 1164..1406		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98276	Strand	-
Start	10878	End	11276
Name	OJ000316_03.0410.C3.o1.ts	Method	TBLASTX:Soybean
Start	1327	End	1756

GI	none	Score	103
Exons	1327..1410, 1328..1402, 1403..1465, 1460..1756, 1510..1743		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98276	Strand	-
Start	10878	End	11276
Name	OJ000316_03.0410.C3.o1.tc	Method	TBLASTX:Cress
Start	1489	End	1804
GI	none	Score	270
Exons	1489..1641, 1496..1804, 1690..1776		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98276	Strand	-
Start	10878	End	11276
Name	OJ000316_03.0410.C3.o2.tw	Method	TBLASTX:Wheat
Start	1625	End	2093
GI	none	Score	73
Exons	1625..1681, 1633..1677, 1678..1779, 1679..1783, 1797..1883, 1798..1884, 1864..2088, 1885..2088, 1887..2093		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98276	Strand	-
Start	10878	End	11276
Name	OJ000316_03.0410.C3.o1.tm	Method	TBLASTX:Maize
Start	1670	End	2127
GI	none	Score	108
Exons	1670..1798, 1682..1804, 1797..1922, 1798..1923, 1933..2127		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98276	Strand	-
Start	10878	End	11276
Name	OJ000316_03.0410.C3.o2.ts	Method	TBLASTX:Soybean
Start	1957	End	2199
GI	none	Score	203
Exons	1957..2199		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98276	Strand	-
Start	10878	End	11276
Name	OJ000316_03.0410.C3.o4.tw	Method	TBLASTX:Wheat
Start	2232	End	2606
GI	none	Score	67
Exons	2232..2276, 2233..2277, 2280..2522, 2303..2482, 2550..2606, 2556..2606		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98276	Strand	-
Start	10878	End	11276
Name	OJ000316_03.0410.C3.o1.tw	Method	TBLASTX:Wheat
Start	2677	End	3784
GI	none	Score	585
Exons	2677..3204, 2678..3187, 3186..3341, 3190..3342, 3191..3385, 3378..3419, 3380..3424, 3383..3424, 3427..3522, 3431..3490, 3469..3609, 3470..3610, 3623..3703, 3692..3784		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98276	Strand	-

Start	10878	End	11276
Name	OJ000316_03.0410.C3.o2.tm	Method	TBLASTX:Maize
Start	2720	End	3034
GI	none	Score	313
Exons	2720..3034, 2731..3006, 2804..3034		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98276	Strand	-
Start	10878	End	11276
Name	OJ000316_03.0410.C3.o2.tc	Method	TBLASTX:Cress
Start	2965	End	3201
GI	none	Score	111
Exons	2965..3120, 2965..3201, 2969..3187		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98276	Strand	-
Start	10878	End	11276
Name	OJ000316_03.0410.C3.o5.tw	Method	TBLASTX:Wheat
Start	6985	End	7388
GI	none	Score	201
Exons	6985..7101, 6987..7223, 6987..7181, 7088..7228, 7218..7388, 7283..7387, 7293..7388		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98276	Strand	-
Start	10878	End	11276
Name	OJ000316_03.0410.C3.o6.tw	Method	TBLASTX:Wheat
Start	7389	End	8086
GI	none	Score	64
Exons	7389..7478, 7710..7784, 7710..7781, 7868..8086, 7870..7965		

Seq. No.	46331	Seq. ID	OJ000316_03.0410.C3
Gene No.	98276	Strand	-
Start	10878	End	11276
Name	OJ000316_03.0410.C3.o3.gs	Method	GENSCAN
Start	10878	End	11276
GI	none	Score	.76
Exons	10878..10988, 11217..11276		

Seq. No.	46332	Seq. ID	OJ000316_03.0410.C4
Gene No.	98277	Strand	+
Start	1063	End	1483
Name	OJ000316_03.0410.C4.o1.gs	Method	GENSCAN
Start	1063	End	1483
GI	none	Score	.83
Exons	1063..1225, 1340..1483		

Seq. No.	46333	Seq. ID	OJ000316_03.0410.C5
Gene No.	98278	Strand	+
Start	806	End	2399
Name	OJ000316_03.0410.C5.o1.gs	Method	GENSCAN
Start	806	End	2399
GI	none	Score	.96
Exons	806..1034, 1547..1647, 1744..1961, 2042..2399		

Seq. No.	46333	Seq. ID	OJ000316_03.0410.C5
Gene No.	98278	Strand	+

Start	806	End	2399
Name	OJ000316_03.0410.C5.o1.np	Method	AAT/NAP
Start	821	End	2396
GI	1362078	Score	877
Exons	821..1034, 1547..1647, 1744..1961, 2042..2396		
GI Descrip.	endo-1,4-beta-D-glucanase, xyloglucan-specific (clone NXG1) - common nasturtium gi|311835|emb|CAA48324| (X68254) cellulase [Tropaeolum majus]		

Seq. No.	46333	Seq. ID	OJ000316_03.0410.C5
Gene No.	98279	Strand	+
Start	6440	End	12238
Name	OJ000316_03.0410.C5.o1.tm	Method	TBLASTX:Maize
Start	895	End	2398
GI	none	Score	91
Exons	895..987, 908..988, 980..1045, 994..1044, 1543..1653, 1732..1959, 1746..1961, 2039..2290, 2043..2291, 2288..2398, 2289..2396		

Seq. No.	46333	Seq. ID	OJ000316_03.0410.C5
Gene No.	98279	Strand	+
Start	6440	End	12238
Name	OJ000316_03.0410.C5.o2.tc	Method	TBLASTX:Cress
Start	895	End	2399
GI	none	Score	69
Exons	895..981, 908..1009, 995..1045, 1543..1653, 1732..1959, 1746..1949, 2042..2278, 2043..2351, 2235..2399, 2261..2395		

Seq. No.	46333	Seq. ID	OJ000316_03.0410.C5
Gene No.	98279	Strand	+
Start	6440	End	12238
Name	OJ000316_03.0410.C5.o2.ts	Method	TBLASTX:Soybean
Start	908	End	2398
GI	none	Score	79
Exons	908..988, 980..1045, 1543..1653, 1732..1959, 1746..1961, 2039..2290, 2043..2291, 2288..2398, 2289..2396		

Seq. No.	46333	Seq. ID	OJ000316_03.0410.C5
Gene No.	98279	Strand	+
Start	6440	End	12238
Name	OJ000316_03.0410.C5.o2.np	Method	AAT/NAP
Start	6421	End	7680
GI	1362047	Score	1001
Exons	6421..7027, 7114..7680		
GI Descrip.	cysteine proteinase (EC 3.4.22.-) precursor - soybean gi|479060|emb|CAA83673| (Z32795) cysteine proteinase [Glycine max] gi|1096153|prf||2111244A Cys protease [Glycine max]		

Seq. No.	46333	Seq. ID	OJ000316_03.0410.C5
Gene No.	98279	Strand	+
Start	6440	End	12238
Name	OJ000316_03.0410.C5.o2.gs	Method	GENSCAN
Start	6440	End	11893
GI	none	Score	.67
Exons	6440..7027, 7114..7652, 8636..8714, 8756..8945, 9831..10012, 10312..10425, 11834..11893		

Seq. No.	46333	Seq. ID	OJ000316_03.0410.C5
Gene No.	98279	Strand	+
Start	6440	End	12238
Name	OJ000316_03.0410.C5.o1.ts	Method	TBLASTX:Soybean
Start	6563	End	7620
GI	none	Score	56
Exons	6563..6634, 6644..6754, 6695..6772, 6709..6768, 6826..7020, 6839..7021, 7111..7296, 7113..7295, 7339..7620, 7341..7439, 7521..7559		

Seq. No.	46333	Seq. ID	OJ000316_03.0410.C5
Gene No.	98279	Strand	+
Start	6440	End	12238
Name	OJ000316_03.0410.C5.o2.tm	Method	TBLASTX:Maize
Start	6644	End	7620
GI	none	Score	79
Exons	6644..6772, 6695..6772, 6796..7023, 6815..7021, 7111..7305, 7113..7301, 7336..7446, 7341..7430, 7453..7602, 7521..7550, 7594..7620		

Seq. No.	46333	Seq. ID	OJ000316_03.0410.C5
Gene No.	98279	Strand	+
Start	6440	End	12238
Name	OJ000316_03.0410.C5.o1.tc	Method	TBLASTX:Cress
Start	6695	End	7620
GI	none	Score	90
Exons	6695..6772, 6712..6750, 6850..7020, 6851..7021, 7111..7245, 7113..7244, 7243..7305, 7339..7446, 7365..7439, 7453..7620, 7521..7550		

Seq. No.	46333	Seq. ID	OJ000316_03.0410.C5
Gene No.	98279	Strand	+
Start	6440	End	12238
Name	OJ000316_03.0410.C5.o1.tw	Method	TBLASTX:Wheat
Start	6935	End	7431
GI	none	Score	61
Exons	6935..6985, 6992..7021, 7111..7305, 7113..7304, 7335..7430, 7339..7431		

Seq. No.	46333	Seq. ID	OJ000316_03.0410.C5
Gene No.	98279	Strand	+
Start	6440	End	12238
Name	OJ000316_03.0410.C5.o2.tw	Method	TBLASTX:Wheat
Start	7462	End	7620
GI	none	Score	194
Exons	7462..7602, 7594..7620		

Seq. No.	46333	Seq. ID	OJ000316_03.0410.C5
Gene No.	98279	Strand	+
Start	6440	End	12238
Name	OJ000316_03.0410.C5.o1.gp	Method	AAT/GAP
Start	7581	End	7953
GI	none	Score	635
Exons	7581..7953		

Seq. No.	46333	Seq. ID	OJ000316_03.0410.C5
Gene No.	98279	Strand	+

Start	6440	End	12238
Name	OJ000316_03.0410.C5.o2.gp	Method	AAT/GAP
Start	9834	End	10404
GI	none	Score	489
Exons	9834..10012, 10312..10404		

Seq. No.	46333	Seq. ID	OJ000316_03.0410.C5
Gene No.	98279	Strand	+
Start	6440	End	12238
Name	OJ000316_03.0410.C5.o3.np	Method	AAT/NAP
Start	10363	End	12238
GI	2194143	Score	191
Exons	10363..10439, 10636..10709, 11071..11141, 11220..11343, 12090..12238		
GI Descrip.	(AC002062) F20P5.13 gene product [Arabidopsis thaliana]		

Seq. No.	46333	Seq. ID	OJ000316_03.0410.C5
Gene No.	98279	Strand	+
Start	6440	End	12238
Name	OJ000316_03.0410.C5.o3.gp	Method	AAT/GAP
Start	11098	End	12231
GI	uC-osf1M202094a11b1	Score	390
Exons	11098..11139, 11218..11318, 12140..12231		
GI Descrip.	'2194143 2.0e-13 (AC002062) No definition line found [Arabidopsis thaliana]'		

Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98280	Strand	+
Start	1191	End	1826
Name	OJ000316_03.0410.C6.o1.gp	Method	AAT/GAP
Start	1191	End	1826
GI	none	Score	889
Exons	1191..1293, 1472..1826		

Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98281	Strand	+
Start	2193	End	2577
Name	OJ000316_03.0410.C6.o2.gp	Method	AAT/GAP
Start	2193	End	2577
GI	none	Score	754
Exons	2193..2577		

Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98282	Strand	+
Start	9967	End	13965
Name	OJ000316_03.0410.C6.o2.gs	Method	GENSCAN
Start	9967	End	13965
GI	none	Score	.47
Exons	9967..10671, 11083..11141, 11277..11381, 13935..13965		

Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98282	Strand	+
Start	9967	End	13965
Name	OJ000316_03.0410.C6.o2.np	Method	AAT/NAP
Start	9967	End	11759
GI	6522561	Score	1266
Exons	9967..10671, 11083..11141, 11253..11375, 11615..11759		

GI Descrip.	(AL132967) calmodulin-binding heat-shock-like protein [Arabidopsis thaliana]		
Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98283	Strand	-
Start	2415	End	7420
Name	OJ000316_03.0410.C6.o3.tm	Method	TBLASTX:Maize
Start	1117	End	1574
GI	none	Score	38
Exons	1117..1167, 1174..1302, 1176..1310, 1385..1483, 1390..1482, 1404..1484, 1526..1567, 1544..1567, 1545..1574		
Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98283	Strand	-
Start	2415	End	7420
Name	OJ000316_03.0410.C6.o1.gs	Method	GENSCAN
Start	2415	End	7420
GI	none	Score	.93
Exons	2415..2585, 2880..3215, 3309..3581, 3817..3995, 4088..4204, 4284..4574, 7372..7420		
Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98283	Strand	-
Start	2415	End	7420
Name	OJ000316_03.0410.C6.o1.np	Method	AAT/NAP
Start	2466	End	4209
GI	7486457	Score	870
Exons	2466..2585, 2880..3215, 3309..3581, 3674..3778, 3874..4209		
GI Descrip.	hypothetical protein F4I18.13 - Arabidopsis thaliana gi|3386605|gb|AAC28535.1| (AC004665) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98283	Strand	-
Start	2415	End	7420
Name	OJ000316_03.0410.C6.o2.ts	Method	TBLASTX:Soybean
Start	2490	End	3197
GI	none	Score	85
Exons	2490..2588, 2491..2586, 2878..2964, 2879..2965, 2880..2993, 2880..2993, 2884..3015, 2985..3197, 2991..3116		
Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98283	Strand	-
Start	2415	End	7420
Name	OJ000316_03.0410.C6.o5.tm	Method	TBLASTX:Maize
Start	2490	End	3491
GI	none	Score	74
Exons	2490..2588, 2503..2586, 2878..3021, 2880..3017, 3054..3164, 3168..3245, 3291..3491, 3292..3450, 3350..3490		
Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98283	Strand	-
Start	2415	End	7420
Name	OJ000316_03.0410.C6.o1.tc	Method	TBLASTX:Cress
Start	2863	End	3219
GI	none	Score	83
Exons	2863..2994, 2874..3023, 2980..3219, 3006..3218		

Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98283	Strand	-
Start	2415	End	7420
Name	OJ000316_03.0410.C6.o3.gp	Method	AAT/GAP
Start	3273	End	3883
GI	uC-osflcyp172c09b1	Score	652
Exons	3273..3581, 3674..3748, 3841..3883		
GI Descrip.	'3386605 5.0e-30 (AC004665) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98283	Strand	-
Start	2415	End	7420
Name	OJ000316_03.0410.C6.o2.tc	Method	TBLASTX:Cress
Start	3291	End	3587
GI	none	Score	97
Exons	3291..3497, 3313..3450, 3534..3587		

Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98283	Strand	-
Start	2415	End	7420
Name	OJ000316_03.0410.C6.o5.ts	Method	TBLASTX:Soybean
Start	3306	End	3751
GI	none	Score	77
Exons	3306..3587, 3674..3751		

Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98283	Strand	-
Start	2415	End	7420
Name	OJ000316_03.0410.C6.o4.tm	Method	TBLASTX:Maize
Start	3838	End	4209
GI	none	Score	38
Exons	3838..3900, 3848..3901, 3904..3996, 3908..3997, 4092..4208, 4093..4209		

Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98283	Strand	-
Start	2415	End	7420
Name	OJ000316_03.0410.C6.o4.ts	Method	TBLASTX:Soybean
Start	3868	End	4206
GI	none	Score	104
Exons	3868..3999, 4073..4201, 4083..4205, 4093..4206		

Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98284	Strand	
Start	9940	End	10365
Name	OJ000316_03.0410.C6.o2.tm	Method	TBLASTX:Maize
Start	9940	End	10175
GI	none	Score	339
Exons	9940..10173, 9957..10175, 9958..10173		

Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98284	Strand	
Start	9940	End	10365
Name	OJ000316_03.0410.C6.o1.ts	Method	TBLASTX:Soybean
Start	9991	End	10365

GI	none	Score	478
Exons	9991..10365, 9996..10361		

Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98285	Strand	
Start	10356	End	11788
Name	OJ000316_03.0410.C6.o1.tm	Method	TBLASTX:Maize
Start	10356	End	11292
GI	none	Score	512
Exons	10356..10667, 10357..10686, 10363..10671, 11059..11136, 11079..11144, 11081..11155, 11081..11146, 11245..11292, 11253..11291		

Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98285	Strand	
Start	10356	End	11788
Name	OJ000316_03.0410.C6.o6.ts	Method	TBLASTX:Soybean
Start	10372	End	10589
GI	none	Score	97
Exons	10372..10467, 10372..10440, 10456..10587, 10485..10589		

Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98285	Strand	
Start	10356	End	11788
Name	OJ000316_03.0410.C6.o1.tw	Method	TBLASTX:Wheat
Start	10453	End	10686
GI	none	Score	233
Exons	10453..10686, 10467..10658, 10480..10686		

Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98285	Strand	
Start	10356	End	11788
Name	OJ000316_03.0410.C6.o2.tw	Method	TBLASTX:Wheat
Start	11059	End	11759
GI	none	Score	79
Exons	11059..11136, 11076..11117, 11242..11373, 11245..11373, 11253..11417, 11615..11686, 11616..11687, 11690..11758, 11694..11759		

Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98285	Strand	
Start	10356	End	11788
Name	OJ000316_03.0410.C6.o3.ts	Method	TBLASTX:Soybean
Start	11086	End	11764
GI	none	Score	70
Exons	11086..11136, 11237..11374, 11245..11382, 11253..11381, 11615..11686, 11619..11687, 11687..11764		

Seq. No.	46334	Seq. ID	OJ000316_03.0410.C6
Gene No.	98285	Strand	
Start	10356	End	11788
Name	OJ000316_03.0410.C6.o6.tm	Method	TBLASTX:Maize
Start	11293	End	11788
GI	none	Score	135
Exons	11293..11382, 11293..11367, 11295..11387, 11295..11384, 11589..11687, 11612..11686, 11687..11764, 11693..11788		

Seq. No.	46335	Seq. ID	OJ000316_03.0410.C7
Gene No.	98286	Strand	+
Start	526	End	1924
Name	OJ000316_03.0410.C7.o1.np	Method	AAT/NAP
Start	526	End	1924
GI	6522561	Score	66
Exons	526..730, 1873..1924		
GI Descrip.	(AL132967) calmodulin-binding heat-shock-like protein [Arabidopsis thaliana]		

Seq. No.	46335	Seq. ID	OJ000316_03.0410.C7
Gene No.	98287	Strand	-
Start	2094	End	2375
Name	OJ000316_03.0410.C7.o2.gs	Method	GENSCAN
Start	2094	End	2375
GI	none	Score	.42
Exons	2094..2310, 2362..2375		

Seq. No.	46336	Seq. ID	OJ000316_03.0410.C8
Gene No.	98288	Strand	+
Start	451	End	1905
Name	OJ000316_03.0410.C8.o1.np	Method	AAT/NAP
Start	451	End	1905
GI	7489509	Score	557
Exons	451..1905		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792238|gb|AAB96994.1| (AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	46336	Seq. ID	OJ000316_03.0410.C8
Gene No.	98288	Strand	+
Start	451	End	1905
Name	OJ000316_03.0410.C8.o1.tm	Method	TBLASTX:Maize
Start	460	End	1287
GI	none	Score	106
Exons	460..684, 754..816, 898..1038, 1078..1287		

Seq. No.	46336	Seq. ID	OJ000316_03.0410.C8
Gene No.	98288	Strand	+
Start	451	End	1905
Name	OJ000316_03.0410.C8.o1.tc	Method	TBLASTX:Cress
Start	514	End	1818
GI	none	Score	77
Exons	514..690, 754..1002, 1114..1209, 1312..1371, 1492..1749, 1732..1818		

Seq. No.	46336	Seq. ID	OJ000316_03.0410.C8
Gene No.	98288	Strand	+
Start	451	End	1905
Name	OJ000316_03.0410.C8.o1.ts	Method	TBLASTX:Soybean
Start	745	End	1851
GI	none	Score	64
Exons	745..831, 895..1023, 1069..1257, 1234..1296, 1294..1353, 1741..1851		

Seq. No.	46336	Seq. ID	OJ000316_03.0410.C8
Gene No.	98288	Strand	+

Start	451	End	1905
Name	OJ000316_03.0410.C8.o2.tm	Method	TBLASTX:Maize
Start	1525	End	1866
GI	none	Score	192
Exons	1525..1866		

Seq. No.	46336	Seq. ID	OJ000316_03.0410.C8
Gene No.	98289	Strand	
Start	2989	End	3247
Name	OJ000316_03.0410.C8.o3.tm	Method	TBLASTX:Maize
Start	2989	End	3247
GI	none	Score	95
Exons	2989..3165, 2994..3176, 2994..3239, 2996..3247, 2999..3247		

Seq. No.	46337	Seq. ID	OJ000316_03.0410.C9
Gene No.	98290	Strand	-
Start	36	End	2501
Name	OJ000316_03.0410.C9.o1.gs	Method	GENSCAN
Start	36	End	2501
GI	none	Score	.72
Exons	36..1108, 2346..2501		

Seq. No.	46337	Seq. ID	OJ000316_03.0410.C9
Gene No.	98290	Strand	-
Start	36	End	2501
Name	OJ000316_03.0410.C9.o1.tm	Method	TBLASTX:Maize
Start	74	End	679
GI	none	Score	46
Exons	74..280, 117..230, 272..415, 342..395, 467..679, 486..548		

Seq. No.	46337	Seq. ID	OJ000316_03.0410.C9
Gene No.	98290	Strand	-
Start	36	End	2501
Name	OJ000316_03.0410.C9.o1.np	Method	AAT/NAP
Start	101	End	1017
GI	7489516	Score	378
Exons	101..1017		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792222|gb|AAB96986.1| (AF032689) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	46337	Seq. ID	OJ000316_03.0410.C9
Gene No.	98290	Strand	-
Start	36	End	2501
Name	OJ000316_03.0410.C9.o1.ts	Method	TBLASTX:Soybean
Start	101	End	643
GI	none	Score	68
Exons	101..250, 284..418, 413..547, 584..643		

Seq. No.	46338	Seq. ID	OJ000316_03.0410.C11
Gene No.	98291	Strand	-
Start	58	End	117
Name	OJ000316_03.0410.C11.o1.gs	Method	GENSCAN
Start	58	End	117
GI	none	Score	1
Exons	58..117		

Seq. No.	46339	Seq. ID	OJ000316_03.0410.C12
Gene No.	98292	Strand	+
Start	1084	End	1874
Name	OJ000316_03.0410.C12.o1.gs	Method	GENSCAN
Start	1084	End	1874
GI	none	Score	.49
Exons	1084..1231, 1506..1603, 1671..1874		

Seq. No.	46339	Seq. ID	OJ000316_03.0410.C12
Gene No.	98293	Strand	-
Start	2137	End	2776
Name	OJ000316_03.0410.C12.o2.gs	Method	GENSCAN
Start	2137	End	2776
GI	none	Score	.79
Exons	2137..2157, 2432..2776		

Seq. No.	46340	Seq. ID	OJ000316_03.0410.C13
Gene No.	98294	Strand	+
Start	1062	End	2307
Name	OJ000316_03.0410.C13.o1.np	Method	AAT/NAP
Start	1062	End	2307
GI	6721543	Score	132
Exons	1062..1192, 2248..2307		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	46340	Seq. ID	OJ000316_03.0410.C13
Gene No.	98294	Strand	+
Start	1062	End	2307
Name	OJ000316_03.0410.C13.o1.gp	Method	AAT/GAP
Start	1076	End	1515
GI	7406_1.R1084	Score	588
Exons	1076..1406, 1441..1515		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	46340	Seq. ID	OJ000316_03.0410.C13
Gene No.	98295	Strand	+
Start	6346	End	7845
Name	OJ000316_03.0410.C13.o5.gp	Method	AAT/GAP
Start	6346	End	7845
GI	none	Score	640
Exons	6346..6594, 7744..7845		

Seq. No.	46340	Seq. ID	OJ000316_03.0410.C13
Gene No.	98296	Strand	-
Start	1458	End	4497
Name	OJ000316_03.0410.C13.o2.gp	Method	AAT/GAP
Start	1458	End	1911
GI	LIB3431-045-P1-N1-A10	Score	844
Exons	1458..1911		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	46340	Seq. ID	OJ000316_03.0410.C13
Gene No.	98296	Strand	-
Start	1458	End	4497
Name	OJ000316_03.0410.C13.o2.np	Method	AAT/NAP

Start	1712	End	4497
GI	7228442	Score	3728
Exons	1712..4497		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	46340	Seq. ID	OJ000316_03.0410.C13
Gene No.	98296	Strand	-
Start	1458	End	4497
Name	OJ000316_03.0410.C13.o3.gp	Method	AAT/GAP
Start	3010	End	3440
GI	5701669	Score	840
Exons	3010..3440		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	46340	Seq. ID	OJ000316_03.0410.C13
Gene No.	98297	Strand	-
Start	4949	End	5101
Name	OJ000316_03.0410.C13.o1.tw	Method	TBLASTX:Wheat
Start	2810	End	3190
GI	none	Score	78
Exons	2810..2986, 2840..2986, 2871..2990, 2984..3181, 2996..3190		

Seq. No.	46340	Seq. ID	OJ000316_03.0410.C13
Gene No.	98297	Strand	-
Start	4949	End	5101
Name	OJ000316_03.0410.C13.o1.tm	Method	TBLASTX:Maize
Start	2888	End	3483
GI	none	Score	151
Exons	2888..2959, 3023..3322, 3084..3305, 3433..3483		

Seq. No.	46340	Seq. ID	OJ000316_03.0410.C13
Gene No.	98297	Strand	-
Start	4949	End	5101
Name	OJ000316_03.0410.C13.o4.gp	Method	AAT/GAP
Start	4949	End	5101
GI	7406_1.R1084	Score	225
Exons	4949..5101		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	46341	Seq. ID	OJ000306_06.0403.C1
Gene No.	98298	Strand	+
Start	340	End	1770
Name	OJ000306_06.0403.C1.o1.gs	Method	GENSCAN
Start	340	End	1770
GI	none	Score	.68
Exons	340..1770		

Seq. No.	46342	Seq. ID	OJ000306_06.0403.C2
Gene No.	98299	Strand	+
Start	1	End	2112
Name	OJ000306_06.0403.C2.o1.np	Method	AAT/NAP
Start	1	End	1970

GI	4505197	Score	221
Exons	1..164, 1244..1308, 1402..1584, 1682..1726, 1839..1970		
GI Descrip.	myeloid/lymphoid or mixed-lineage leukemia 2 gi|2358285 (AF010403) ALR [Homo sapiens]		

Seq. No.	46342	Seq. ID	OJ000306_06.0403.C2
Gene No.	98299	Strand	+
Start	1	End	2112
Name	OJ000306_06.0403.C2.o1.gs	Method	GENSCAN
Start	209	End	1973
GI	none	Score	.74
Exons	209..256, 677..826, 912..1055, 1195..1308, 1402..1584, 1839..1973		

Seq. No.	46342	Seq. ID	OJ000306_06.0403.C2
Gene No.	98299	Strand	+
Start	1	End	2112
Name	OJ000306_06.0403.C2.o1.tm	Method	TBLASTX:Maize
Start	447	End	1981
GI	none	Score	120
Exons	447..527, 448..528, 449..526, 671..826, 676..828, 676..825, 902..985, 911..943, 915..983, 987..1058, 1004..1081, 1194..1310, 1197..1307, 1198..1314, 1404..1583, 1405..1584, 1653..1727, 1679..1738, 1681..1737, 1835..1981, 1838..1972, 1851..1973		

Seq. No.	46342	Seq. ID	OJ000306_06.0403.C2
Gene No.	98299	Strand	+
Start	1	End	2112
Name	OJ000306_06.0403.C2.o1.gp	Method	AAT/GAP
Start	1662	End	2112
GI	69773_1.R1084	Score	618
Exons	1662..1726, 1839..2112		
GI Descrip.	'3309543 1.0e-12 (AF036382) MLL [Fugu rubripes]'		

Seq. No.	46343	Seq. ID	OJ000306_06.0403.C3
Gene No.	98300	Strand	+
Start	898	End	10549
Name	OJ000306_06.0403.C3.o1.np	Method	AAT/NAP
Start	898	End	10549
GI	119714	Score	298
Exons	898..1129, 3276..3638, 4897..5058, 7077..7175, 7348..7999, 10325..10549		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	46343	Seq. ID	OJ000306_06.0403.C3
Gene No.	98301	Strand	-
Start	59	End	1953
Name	OJ000306_06.0403.C3.o1.gs	Method	GENSCAN
Start	59	End	1953
GI	none	Score	.5
Exons	59..137, 230..354, 444..1676, 1933..1953		

Seq. No.	46343	Seq. ID	OJ000306_06.0403.C3
Gene No.	98301	Strand	-

Start	59	End	1953
Name	OJ000306_06.0403.C3.o1.gp	Method	AAT/GAP
Start	1431	End	1698
GI	2442811	Score	497
Exons	1431..1698		

Seq. No.	46343	Seq. ID	OJ000306_06.0403.C3
Gene No.	98302	Strand	-
Start	6592	End	7550
Name	OJ000306_06.0403.C3.o1.tm	Method	TBLASTX:Maize
Start	51	End	522
GI	none	Score	104
Exons	51..158, 65..136, 229..312, 229..312, 438..479, 484..522		

Seq. No.	46343	Seq. ID	OJ000306_06.0403.C3
Gene No.	98302	Strand	-
Start	6592	End	7550
Name	OJ000306_06.0403.C3.o1.ts	Method	TBLASTX:Soybean
Start	1110	End	1589
GI	none	Score	38
Exons	1110..1178, 1284..1319, 1285..1311, 1371..1478, 1396..1473, 1410..1502, 1545..1589		

Seq. No.	46343	Seq. ID	OJ000306_06.0403.C3
Gene No.	98302	Strand	-
Start	6592	End	7550
Name	OJ000306_06.0403.C3.o3.gs	Method	GENSCAN
Start	6592	End	7550
GI	none	Score	.79
Exons	6592..6659, 7115..7202, 7410..7550		

Seq. No.	46344	Seq. ID	OJ000306_06.0403.C4
Gene No.	98303	Strand	+
Start	72	End	1161
Name	OJ000306_06.0403.C4.o1.gs	Method	GENSCAN
Start	72	End	1161
GI	none	Score	.7
Exons	72..689, 1034..1161		

Seq. No.	46344	Seq. ID	OJ000306_06.0403.C4
Gene No.	98304	Strand	+
Start	3389	End	3787
Name	OJ000306_06.0403.C4.o2.gs	Method	GENSCAN
Start	3389	End	3787
GI	none	Score	.51
Exons	3389..3787		

Seq. No.	46345	Seq. ID	OJ000306_06.0403.C5
Gene No.	98305	Strand	+
Start	722	End	909
Name	OJ000306_06.0403.C5.o1.gs	Method	GENSCAN
Start	722	End	909
GI	none	Score	.97
Exons	722..909		

Seq. No.	46345	Seq. ID	OJ000306_06.0403.C5
Gene No.	98306	Strand	+

Start	1815	End	2407
Name	OJ000306_06.0403.C5.o1.gp	Method	AAT/GAP
Start	1815	End	2407
GI	none	Score	1179
Exons	1815..2407		

Seq. No.	46345	Seq. ID	OJ000306_06.0403.C5
Gene No.	98307	Strand	+
Start	2668	End	3106
Name	OJ000306_06.0403.C5.o2.gp	Method	AAT/GAP
Start	2668	End	3106
GI	LIB3431-058-P1-K1-H5	Score	840
Exons	2668..3106		
GI Descrip.	'4959460/gb|AF126053.1|AF126053 9.0e-09 Zea mays RACB small GTP binding protein mRNA, complete cds'		

Seq. No.	46345	Seq. ID	OJ000306_06.0403.C5
Gene No.	98308	Strand	-
Start	3811	End	4671
Name	OJ000306_06.0403.C5.o3.gp	Method	AAT/GAP
Start	3790	End	4304
GI	none	Score	824
Exons	3790..3970, 4048..4304		

Seq. No.	46345	Seq. ID	OJ000306_06.0403.C5
Gene No.	98308	Strand	-
Start	3811	End	4671
Name	OJ000306_06.0403.C5.o1.np	Method	AAT/NAP
Start	3811	End	4584
GI	6503284	Score	258
Exons	3811..3970, 4048..4394, 4504..4584		
GI Descrip.	(AC011713) F23A5.7 [Arabidopsis thaliana]		

Seq. No.	46345	Seq. ID	OJ000306_06.0403.C5
Gene No.	98308	Strand	-
Start	3811	End	4671
Name	OJ000306_06.0403.C5.o2.gs	Method	GENSCAN
Start	3811	End	4671
GI	none	Score	.76
Exons	3811..3970, 4009..4388, 4498..4671		

Seq. No.	46345	Seq. ID	OJ000306_06.0403.C5
Gene No.	98309	Strand	-
Start	6076	End	7023
Name	OJ000306_06.0403.C5.o2.tm	Method	TBLASTX:Maize
Start	3919	End	4401
GI	none	Score	95
Exons	3919..3969, 4074..4238, 4095..4172, 4132..4356, 4266..4316, 4299..4364, 4365..4391, 4366..4401		

Seq. No.	46345	Seq. ID	OJ000306_06.0403.C5
Gene No.	98309	Strand	-
Start	6076	End	7023
Name	OJ000306_06.0403.C5.o2.np	Method	AAT/NAP
Start	6076	End	7023
GI	4115382	Score	1053
Exons	6076..7023		

GI Descrip. (AC005967) hypothetical protein [Arabidopsis thaliana]

Seq. No.	46345	Seq. ID	OJ000306_06.0403.C5
Gene No.	98309	Strand	-
Start	6076	End	7023
Name	OJ000306_06.0403.C5.o3.ts	Method	TBLASTX:Soybean
Start	6115	End	6402
GI	none	Score	203
Exons	6115..6402, 6116..6337		

Seq. No.	46345	Seq. ID	OJ000306_06.0403.C5
Gene No.	98309	Strand	-
Start	6076	End	7023
Name	OJ000306_06.0403.C5.o3.tc	Method	TBLASTX:Cress
Start	6160	End	6600
GI	none	Score	92
Exons	6160..6366, 6179..6364, 6406..6600		

Seq. No.	46345	Seq. ID	OJ000306_06.0403.C5
Gene No.	98309	Strand	-
Start	6076	End	7023
Name	OJ000306_06.0403.C5.o1.ts	Method	TBLASTX:Soybean
Start	6406	End	6879
GI	none	Score	87
Exons	6406..6519, 6419..6520, 6565..6879, 6569..6715, 6794..6871		

Seq. No.	46345	Seq. ID	OJ000306_06.0403.C5
Gene No.	98310	Strand	
Start	9807	End	10318
Name	OJ000306_06.0403.C5.o1.tw	Method	TBLASTX:Wheat
Start	9807	End	10147
GI	none	Score	40
Exons	9807..9845, 9808..9846, 9895..9933, 9910..9936, 9925..9957, 9954..10142, 9964..10143, 9969..10142, 9970..10143, 9971..10147, 9980..10144		

Seq. No.	46345	Seq. ID	OJ000306_06.0403.C5
Gene No.	98310	Strand	
Start	9807	End	10318
Name	OJ000306_06.0403.C5.o4.ts	Method	TBLASTX:Soybean
Start	9971	End	10219
GI	none	Score	159
Exons	9971..10219, 9972..10154, 9973..10218		

Seq. No.	46345	Seq. ID	OJ000306_06.0403.C5
Gene No.	98310	Strand	
Start	9807	End	10318
Name	OJ000306_06.0403.C5.o2.tc	Method	TBLASTX:Cress
Start	9979	End	10318
GI	none	Score	213
Exons	9979..10035, 10054..10317, 10055..10318		

Seq. No.	46345	Seq. ID	OJ000306_06.0403.C5
Gene No.	98311	Strand	
Start	10457	End	10882
Name	OJ000306_06.0403.C5.o1.tm	Method	TBLASTX:Maize
Start	10457	End	10855

GI	none	Score	142
Exons	10457..10549, 10458..10538, 10459..10539, 10536..10820, 10537..10854, 10538..10855		

Seq. No.	46345	Seq. ID	OJ000306_06.0403.C5
Gene No.	98311	Strand	
Start	10457	End	10882
Name	OJ000306_06.0403.C5.o2.ts	Method	TBLASTX:Soybean
Start	10651	End	10882
GI	none	Score	171
Exons	10651..10818, 10655..10819, 10823..10882, 10825..10881		

Seq. No.	46345	Seq. ID	OJ000306_06.0403.C5
Gene No.	98312	Strand	
Start	10856	End	11241
Name	OJ000306_06.0403.C5.o1.tc	Method	TBLASTX:Cress
Start	10856	End	11241
GI	none	Score	69
Exons	10856..10948, 10858..10989, 10980..11063, 10990..11097, 11006..11107, 11014..11241, 11107..11241		

Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98313	Strand	+
Start	2416	End	2712
Name	OJ000306_06.0403.C6.o2.gs	Method	GENSCAN
Start	2416	End	2712
GI	none	Score	.72
Exons	2416..2712		

Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98314	Strand	+
Start	6366	End	9820
Name	OJ000306_06.0403.C6.o1.np	Method	AAT/NAP
Start	5680	End	9817
GI	4115377	Score	2408
Exons	5680..5734, 6418..6505, 7522..7713, 7808..7917, 7989..8091, 8185..8297, 8391..8544, 8663..9817		
GI Descrip.	(AC005967) putative multispanning membrane protein [Arabidopsis thaliana]		

Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98314	Strand	+
Start	6366	End	9820
Name	OJ000306_06.0403.C6.o1.gp	Method	AAT/GAP
Start	6226	End	7869
GI	25271_1.R1084	Score	836
Exons	6226..6470, 7549..7713, 7808..7869		
GI Descrip.	'4115377 5.0e-30 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98314	Strand	+
Start	6366	End	9820
Name	OJ000306_06.0403.C6.o3.gs	Method	GENSCAN
Start	6366	End	9820
GI	none	Score	.83
Exons	6366..6470, 7549..7713, 7808..7917, 7989..8091, 8185..8297,		

8391..8544, 8663..9820

Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98314	Strand	+
Start	6366	End	9820
Name	OJ000306_06.0403.C6.o2.gp	Method	AAT/GAP
Start	7986	End	8826
GI	uC-osrocyp004g06b1	Score	998
Exons	7986..8091, 8185..8297, 8391..8544, 8663..8826		
GI Descrip.	'4115377 1.0e-70 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98314	Strand	+
Start	6366	End	9820
Name	OJ000306_06.0403.C6.o3.gp	Method	AAT/GAP
Start	8930	End	9689
GI	26400_1.R1084	Score	1440
Exons	8930..9689		
GI Descrip.	'4115377 1.0e-84 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98315	Strand	-
Start	111	End	1350
Name	OJ000306_06.0403.C6.o1.gs	Method	GENSCAN
Start	111	End	1350
GI	none	Score	.92
Exons	111..1350		

Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98316	Strand	-
Start	9673	End	10179
Name	OJ000306_06.0403.C6.o4.gp	Method	AAT/GAP
Start	9673	End	10179
GI	24200_1.R1084	Score	975
Exons	9673..10179		
GI Descrip.	'4115377 1.0e-14 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98317	Strand	-
Start	10354	End	10598
Name	OJ000306_06.0403.C6.o2.tm	Method	TBLASTX:Maize
Start	3	End	281
GI	none	Score	53
Exons	3..47, 5..49, 5..40, 32..136, 37..183, 43..147, 133..279, 136..279, 138..281		

Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98317	Strand	-
Start	10354	End	10598
Name	OJ000306_06.0403.C6.o3.tc	Method	TBLASTX:Cress
Start	6432	End	8532
GI	none	Score	59
Exons	6432..6470, 7527..7709, 7546..7710, 7546..7701, 7548..7721, 7808..7918, 7990..8034, 8038..8091, 8175..8297, 8176..8295,		

8424..8525, 8431..8532

Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98317	Strand	-
Start	10354	End	10598
Name	OJ000306_06.0403.C6.o2.ts	Method	TBLASTX:Soybean
Start	7539	End	8034
GI	none	Score	74
Exons	7539..7712, 7540..7713, 7542..7721, 7547..7717, 7547..7729, 7808..7918, 7990..8034		

Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98317	Strand	-
Start	10354	End	10598
Name	OJ000306_06.0403.C6.o1.tm	Method	TBLASTX:Maize
Start	7546	End	9985
GI	none	Score	257
Exons	7546..7725, 7551..7742, 7552..7725, 7824..7862, 7825..7917, 7985..8035, 7990..8037, 7991..8047, 8040..8084, 8041..8091, 8047..8091, 8175..8297, 8176..8313, 8388..8525, 8389..8532, 8402..8533, 8420..8545, 8427..8546, 8656..9456, 8657..8821, 8662..9480, 8663..9478, 8867..9820, 9258..9599, 9523..9606, 9530..9820, 9905..9985, 9906..9977		

Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98317	Strand	-
Start	10354	End	10598
Name	OJ000306_06.0403.C6.o1.ts	Method	TBLASTX:Soybean
Start	8047	End	9828
GI	none	Score	58
Exons	8047..8091, 8148..8297, 8176..8295, 8388..8525, 8389..8532, 8392..8544, 8411..8545, 8657..8818, 8661..8732, 8662..9471, 8663..9478, 8870..9619, 9255..9611, 9523..9612, 9523..9828, 9530..9823		

Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98317	Strand	-
Start	10354	End	10598
Name	OJ000306_06.0403.C6.o4.tc	Method	TBLASTX:Cress
Start	8652	End	8859
GI	none	Score	285
Exons	8652..8795, 8657..8818, 8662..8829, 8663..8836, 8737..8859		

Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98317	Strand	-
Start	10354	End	10598
Name	OJ000306_06.0403.C6.o2.tc	Method	TBLASTX:Cress
Start	8870	End	9202
GI	none	Score	483
Exons	8870..9202, 8870..9199, 8872..9201		

Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98317	Strand	-
Start	10354	End	10598
Name	OJ000306_06.0403.C6.o1.tw	Method	TBLASTX:Wheat
Start	8894	End	9226
GI	none	Score	196

Exons	8894..9112, 8902..9105, 9116..9226		
Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98317	Strand	-
Start	10354	End	10598
Name	OJ000306_06.0403.C6.o1.tc	Method	TBLASTX:Cress
Start	9202	End	9844
GI	none	Score	442
Exons	9202..9480, 9203..9478, 9336..9611, 9529..9822, 9530..9826, 9668..9844		
Seq. No.	46346	Seq. ID	OJ000306_06.0403.C6
Gene No.	98317	Strand	-
Start	10354	End	10598
Name	OJ000306_06.0403.C6.o4.gs	Method	GENSCAN
Start	10354	End	10598
GI	none	Score	.74
Exons	10354..10598		
Seq. No.	46347	Seq. ID	OJ000306_06.0403.C7
Gene No.	98318	Strand	+
Start	48	End	444
Name	OJ000306_06.0403.C7.o1.gs	Method	GENSCAN
Start	48	End	444
GI	none	Score	.88
Exons	48..444		
Seq. No.	46347	Seq. ID	OJ000306_06.0403.C7
Gene No.	98319	Strand	-
Start	674	End	2458
Name	OJ000306_06.0403.C7.o2.ts	Method	TBLASTX:Soybean
Start	97	End	261
GI	none	Score	250
Exons	97..261, 99..254		
Seq. No.	46347	Seq. ID	OJ000306_06.0403.C7
Gene No.	98319	Strand	-
Start	674	End	2458
Name	OJ000306_06.0403.C7.o1.gp	Method	AAT/GAP
Start	674	End	2413
GI	12464_1.R1084	Score	1393
Exons	674..1182, 1300..1355, 1857..1909, 1992..2068, 2151..2274, 2359..2413		
GI Descrip.	'3482967/emb|CAA20523.1| 2.0e-36 (AL031369) Protein phosphatase 2C-like protein [Arabidopsis thaliana] >gi_4559345_gb_AAD23006.1_AC006585_1 (AC006585) protein phosphatase 2C [Arabidopsis thaliana]'		
Seq. No.	46347	Seq. ID	OJ000306_06.0403.C7
Gene No.	98319	Strand	-
Start	674	End	2458
Name	OJ000306_06.0403.C7.o2.np	Method	AAT/NAP
Start	1000	End	2458
GI	4559345	Score	515
Exons	1000..1182, 1301..1355, 1857..1909, 1992..2068, 2151..2274, 2359..2458		
GI Descrip.	(AC006585) putative protein phosphatase 2C [Arabidopsis		

thaliana]

Seq. No.	46347	Seq. ID	OJ000306_06.0403.C7
Gene No.	98319	Strand	-
Start	674	End	2458
Name	OJ000306_06.0403.C7.o1.ts	Method	TBLASTX:Soybean
Start	1055	End	2448
GI	none	Score	59
Exons	1055..1120, 1084..1128, 1129..1188, 1307..1354, 1853..1909, 1856..1909, 1977..2069, 1978..2070, 2149..2274, 2150..2269, 2359..2448, 2363..2446		

Seq. No.	46347	Seq. ID	OJ000306_06.0403.C7
Gene No.	98319	Strand	-
Start	674	End	2458
Name	OJ000306_06.0403.C7.o1.tm	Method	TBLASTX:Maize
Start	1070	End	2457
GI	none	Score	66
Exons	1070..1123, 1084..1122, 1117..1182, 1301..1354, 1856..1909, 1860..1886, 1974..2069, 1978..2070, 2149..2274, 2150..2266, 2164..2277, 2359..2457, 2363..2446, 2365..2457		

Seq. No.	46347	Seq. ID	OJ000306_06.0403.C7
Gene No.	98319	Strand	-
Start	674	End	2458
Name	OJ000306_06.0403.C7.o1.tc	Method	TBLASTX:Cress
Start	2144	End	2446
GI	none	Score	140
Exons	2144..2275, 2149..2274, 2161..2277, 2359..2445, 2366..2446		

Seq. No.	46348	Seq. ID	OJ000306_06.0403.C8
Gene No.	98320	Strand	+
Start	669	End	2067
Name	OJ000306_06.0403.C8.o1.gs	Method	GENSCAN
Start	669	End	2067
GI	none	Score	.63
Exons	669..834, 926..1009, 1378..1630, 2035..2067		

Seq. No.	46348	Seq. ID	OJ000306_06.0403.C8
Gene No.	98321	Strand	-
Start	1	End	1389
Name	OJ000306_06.0403.C8.o1.np	Method	AAT/NAP
Start	1	End	1389
GI	4559345	Score	296
Exons	1..159, 730..793, 1273..1389		
GI Descrip.	(AC006585) putative protein phosphatase 2C [Arabidopsis thaliana]		

Seq. No.	46349	Seq. ID	OJ000306_06.0403.C9
Gene No.	98322	Strand	+
Start	124	End	203
Name	OJ000306_06.0403.C9.o1.gs	Method	GENSCAN
Start	124	End	203
GI	none	Score	.79
Exons	124..203		

Seq. No.	46349	Seq. ID	OJ000306_06.0403.C9

Gene No.	98323	Strand	+
Start	1031	End	1268
Name	OJ000306_06.0403.C9.o1.gp	Method	AAT/GAP
Start	1031	End	1268
GI	22663_1.R1084	Score	446
Exons	1031..1268		
GI Descrip.	'5725430/emb|CAB52439.1| 7.0e-11 (AL109787) stress responsive protein homolog [Arabidopsis thaliana]'		

Seq. No.	46349	Seq. ID	OJ000306_06.0403.C9
Gene No.	98324	Strand	-
Start	968	End	1462
Name	OJ000306_06.0403.C9.o2.gs	Method	GENSCAN
Start	968	End	1462
GI	none	Score	.55
Exons	968..1462		

Seq. No.	46350	Seq. ID	OJ000306_06.0403.C10
Gene No.	98325	Strand	+
Start	1	End	262
Name	OJ000306_06.0403.C10.o1.gp	Method	AAT/GAP
Start	1	End	262
GI	22663_1.R1084	Score	488
Exons	1..262		
GI Descrip.	'5725430/emb|CAB52439.1| 7.0e-11 (AL109787) stress responsive protein homolog [Arabidopsis thaliana]'		

Seq. No.	46350	Seq. ID	OJ000306_06.0403.C10
Gene No.	98325	Strand	+
Start	1	End	262
Name	OJ000306_06.0403.C10.o1.np	Method	AAT/NAP
Start	1	End	116
GI	5725430	Score	94
Exons	1..116		
GI Descrip.	(AL109787) stress responsive protein homolog [Arabidopsis thaliana] gi|7269967|emb|CAB79784.1| (AL161577) stress responsive protein homolog [Arabidopsis thaliana]		

Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98326	Strand	+
Start	205	End	10120
Name	OJ000306_06.0403.C11.o1.gs	Method	GENSCAN
Start	205	End	4544
GI	none	Score	.83
Exons	205..374, 1269..1320, 2031..2177, 2524..2683, 3054..3170, 3427..4544		

Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98326	Strand	+
Start	205	End	10120
Name	OJ000306_06.0403.C11.o2.np	Method	AAT/NAP
Start	2526	End	4511
GI	7288017	Score	331
Exons	2526..2622, 3603..3737, 3768..3860, 3888..4019, 4064..4511		
GI Descrip.	(AL132971) putative protein [Arabidopsis thaliana]		

Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11

Gene No.	98326	Strand	+
Start	205	End	10120
Name	OJ000306_06.0403.C11.o1.np	Method	AAT/NAP
Start	2658	End	8268
GI	4775349	Score	124
Exons	2658..2844, 3586..3942, 5276..5361, 6515..6643, 8114..8268		
GI Descrip.	(AJ012582) hyperpolarization-activated cation channel HCN2 [Homo sapiens] gi|4803850|emb|CAB42630.1| (AJ133727) hyperpolarization-activated cyclic nucleotide-gated channel hHCN2 [Homo sapiens]		

Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98326	Strand	+
Start	205	End	10120
Name	OJ000306_06.0403.C11.o1.gp	Method	AAT/GAP
Start	2895	End	3295
GI	701048	Score	760
Exons	2895..3295		

Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98326	Strand	+
Start	205	End	10120
Name	OJ000306_06.0403.C11.o3.gp	Method	AAT/GAP
Start	7207	End	7968
GI	uC-osf1M202089c01b1	Score	793
Exons	7207..7451, 7784..7968		
GI Descrip.	'4572671/gb|AAD23886.1|AC006954_7 1.0e-31 (AC006954) putative cyclic nucleotide regulated ion channel [Arabidopsis thaliana]'		

Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98326	Strand	+
Start	205	End	10120
Name	OJ000306_06.0403.C11.o2.gs	Method	GENSCAN
Start	7396	End	10069
GI	none	Score	.74
Exons	7396..7451, 7784..8294, 9444..9748, 9958..10069		

Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98326	Strand	+
Start	205	End	10120
Name	OJ000306_06.0403.C11.o3.np	Method	AAT/NAP
Start	7824	End	10120
GI	4572671	Score	754
Exons	7824..8294, 8894..9106, 9444..9748, 9958..10120		
GI Descrip.	(AC006954) putative cyclic nucleotide-regulated ion channel protein [Arabidopsis thaliana]		

Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98326	Strand	+
Start	205	End	10120
Name	OJ000306_06.0403.C11.o4.gp	Method	AAT/GAP
Start	8040	End	9093
GI	2427543	Score	835
Exons	8040..8294, 8894..9093		
GI Descrip.	4572671/gb|AAD23886.1|AC006954_7 1.0e-31 (AC006954) putative cyclic nucleotide regulated ion channel [Arabidopsis thaliana]		

Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98326	Strand	+
Start	205	End	10120
Name	OJ000306_06.0403.C11.o5.gp	Method	AAT/GAP
Start	9707	End	10120
GI	15818_1.R1084	Score	267
Exons	9707..9748, 9958..10120		
GI Descrip.	'4572671/gb|AAD23886.1|AC006954_7 2.0e-82 (AC006954) putative cyclic nucleotide regulated ion channel [Arabidopsis thaliana]'		

Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98327	Strand	-
Start	5885	End	6164
Name	OJ000306_06.0403.C11.o2.tm	Method	TBLASTX:Maize
Start	2461	End	4557
GI	none	Score	61
Exons	2461..2526, 4188..4541, 4233..4349, 4244..4540, 4414..4542, 4422..4541, 4435..4557		

Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98327	Strand	-
Start	5885	End	6164
Name	OJ000306_06.0403.C11.o2.ts	Method	TBLASTX:Soybean
Start	3603	End	3836
GI	none	Score	166
Exons	3603..3731, 3774..3836		

Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98327	Strand	-
Start	5885	End	6164
Name	OJ000306_06.0403.C11.o4.tm	Method	TBLASTX:Maize
Start	3603	End	3847
GI	none	Score	158
Exons	3603..3731, 3642..3713, 3773..3847, 3774..3836		

Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98327	Strand	-
Start	5885	End	6164
Name	OJ000306_06.0403.C11.o4.ts	Method	TBLASTX:Soybean
Start	4248	End	4451
GI	none	Score	187
Exons	4248..4451, 4250..4450		

Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98327	Strand	-
Start	5885	End	6164
Name	OJ000306_06.0403.C11.o2.gp	Method	AAT/GAP
Start	5885	End	6164
GI	3107308	Score	544
Exons	5885..6164		

Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98328	Strand	
Start	7280	End	10074
Name	OJ000306_06.0403.C11.o1.tm	Method	TBLASTX:Maize
Start	7280	End	8202
GI	none	Score	76

Exons	7280..7348, 7376..7456, 7395..7451, 7397..7456, 7781..8032, 7782..8036, 8019..8201, 8063..8197, 8065..8202		
Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98328	Strand	
Start	7280	End	10074
Name	OJ000306_06.0403.C11.o1.ts	Method	TBLASTX:Soybean
Start	7913	End	8168
GI	none	Score	167
Exons	7913..8035, 7914..8036, 8049..8168		
Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98328	Strand	
Start	7280	End	10074
Name	OJ000306_06.0403.C11.o1.tc	Method	TBLASTX:Cress
Start	7926	End	10069
GI	none	Score	102
Exons	7926..8036, 8061..8297, 8885..9109, 8890..9111, 9423..9509, 9641..9685, 9690..9746, 9953..10069, 9956..10069		
Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98328	Strand	
Start	7280	End	10074
Name	OJ000306_06.0403.C11.o3.tm	Method	TBLASTX:Maize
Start	8202	End	10074
GI	none	Score	137
Exons	8202..8294, 8204..8326, 8205..8297, 8885..9109, 8890..9099, 9420..9518, 9441..9509, 9443..9517, 9445..9519, 9446..9529, 9513..9599, 9521..9622, 9522..9626, 9610..9663, 9613..9747, 9644..9754, 9645..9746, 9706..9747, 9947..10069, 9953..10069, 9967..10074		
Seq. No.	46351	Seq. ID	OJ000306_06.0403.C11
Gene No.	98328	Strand	
Start	7280	End	10074
Name	OJ000306_06.0403.C11.o3.ts	Method	TBLASTX:Soybean
Start	8885	End	9578
GI	none	Score	196
Exons	8885..9106, 8947..9102, 9420..9536, 9519..9578		
Seq. No.	46352	Seq. ID	OJ000306_06.0403.C12
Gene No.	98329	Strand	+
Start	1	End	1413
Name	OJ000306_06.0403.C12.o1.np	Method	AAT/NAP
Start	1	End	1413
GI	4680186	Score	218
Exons	1..27, 1209..1413		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	46352	Seq. ID	OJ000306_06.0403.C12
Gene No.	98330	Strand	-
Start	1	End	168
Name	OJ000306_06.0403.C12.o1.gp	Method	AAT/GAP
Start	1	End	168
GI	18479_1.R1084	Score	301
Exons	1..168		
GI Descrip.	'4572671/gb|AAD23886.1|AC006954_7 1.0e-11 (AC006954) putative		

cyclic nucleotide regulated ion channel [Arabidopsis thaliana]'

Seq. No.	46352	Seq. ID	OJ000306_06.0403.C12
Gene No.	98331	Strand	-
Start	958	End	1342
Name	OJ000306_06.0403.C12.o2.gp	Method	AAT/GAP
Start	958	End	1342
GI	uC-osflcyp033a04b1	Score	682
Exons	958..1342		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	46352	Seq. ID	OJ000306_06.0403.C12
Gene No.	98332	Strand	-
Start	1799	End	5187
Name	OJ000306_06.0403.C12.o2.np	Method	AAT/NAP
Start	1799	End	3726
GI	6907087	Score	1538
Exons	1799..1900, 2440..3135, 3344..3726		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46352	Seq. ID	OJ000306_06.0403.C12
Gene No.	98332	Strand	-
Start	1799	End	5187
Name	OJ000306_06.0403.C12.o2.gs	Method	GENSCAN
Start	2217	End	5187
GI	none	Score	.51
Exons	2217..2434, 2440..2660, 2666..3060, 3107..3328, 4466..4554, 5107..5187		

Seq. No.	46353	Seq. ID	OJ000306_06.0403.C13
Gene No.	98333	Strand	+
Start	44	End	1791
Name	OJ000306_06.0403.C13.o1.gs	Method	GENSCAN
Start	44	End	1791
GI	none	Score	.75
Exons	44..683, 1326..1424, 1532..1791		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98334	Strand	+
Start	24877	End	25368
Name	OJ000306_06.0403.C16.o5.np	Method	AAT/NAP
Start	24874	End	25341
GI	7430820	Score	110
Exons	24874..24957, 25072..25341		
GI Descrip.	thioredoxin h homolog 2 - rape gi|1403711|gb|AAB53695.1| (U59380) thioredoxin-h-like-2 [Brassica napus]		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98334	Strand	+
Start	24877	End	25368
Name	OJ000306_06.0403.C16.o5.gs	Method	GENSCAN
Start	24877	End	25368
GI	none	Score	.89
Exons	24877..24957, 25072..25368		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98335	Strand	-
Start	2326	End	7576
Name	OJ000306_06.0403.C16.o1.np	Method	AAT/NAP
Start	2326	End	7576
GI	7431837	Score	2107
Exons	2326..2403, 2680..2793, 2876..2998, 3307..3384, 3463..3612, 4469..4565, 4643..4794, 4863..4946, 5039..5267, 5378..5470, 5552..5746, 5901..5970, 6500..6536, 6618..6701, 6792..6849, 6972..7048, 7149..7208, 7289..7576		
GI Descrip.	NADPH--ferrihemoprotein reductase (EC 1.6.2.4) - parsley gi|2809385|gb|AAB97736.1| (AF024634) NADPH cytochrome P450 reductase [Petroselinum crispum]		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98336	Strand	-
Start	9724	End	14388
Name	OJ000306_06.0403.C16.o2.np	Method	AAT/NAP
Start	9724	End	11552
GI	4887759	Score	992
Exons	9724..9866, 9986..10502, 10533..11552		
GI Descrip.	(AC006533) putative ARI-like RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98336	Strand	-
Start	9724	End	14388
Name	OJ000306_06.0403.C16.o3.np	Method	AAT/NAP
Start	11417	End	14361
GI	7487800	Score	908
Exons	11417..11450, 12679..12847, 12926..14182, 14216..14361		
GI Descrip.	hypothetical protein T8F5.21 - Arabidopsis thaliana gi|3335347|gb|AAC27149.1| (AC004512) Contains similarity to ARI, RING finger protein gb|X98309 from Drosophila melanogaster. ESTs gb|T44383, gb|W43120, gb|N65868, gb|H36013, gb|AA042241, gb|T76869 and gb|AA042359 come from this gene. [Arabidopsis thaliana]		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98336	Strand	-
Start	9724	End	14388
Name	OJ000306_06.0403.C16.o2.gs	Method	GENSCAN
Start	12611	End	14388
GI	none	Score	.91
Exons	12611..13760, 13861..14139, 14180..14388		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98337	Strand	-
Start	14956	End	18205
Name	OJ000306_06.0403.C16.o3.gs	Method	GENSCAN
Start	14956	End	18205
GI	none	Score	.71
Exons	14956..15579, 15687..16305, 16791..16841, 18027..18205		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98338	Strand	-

Start	20050	End	22329
Name	OJ000306_06.0403.C16.o4.np	Method	AAT/NAP
Start	18932	End	22329
GI	4680182	Score	619
Exons	18932..18980, 20184..20442, 20539..21443, 21534..22329		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98338	Strand	-
Start	20050	End	22329
Name	OJ000306_06.0403.C16.o4.gs	Method	GENSCAN
Start	20050	End	22287
GI	none	Score	.95
Exons	20050..22287		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98339	Strand	-
Start	27668	End	27820
Name	OJ000306_06.0403.C16.o4.tm	Method	TBLASTX:Maize
Start	2298	End	2797
GI	none	Score	101
Exons	2298..2393, 2320..2394, 2324..2392, 2675..2794, 2680..2796, 2681..2797		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98339	Strand	-
Start	27668	End	27820
Name	OJ000306_06.0403.C16.o1.tc	Method	TBLASTX:Cress
Start	2314	End	7385
GI	none	Score	89
Exons	2314..2427, 2678..2752, 2678..2794, 2680..2796, 2864..2998, 2871..2999, 2876..2998, 3287..3391, 3307..3387, 3461..3487, 3463..3618, 3478..3618, 3542..3622, 4469..4579, 4470..4559, 4649..4792, 4675..4791, 4861..4935, 4863..4949, 5039..5095, 5040..5093, 5132..5161, 5138..5266, 5154..5273, 5372..5479, 5377..5478, 5542..5703, 5546..5662, 5641..5679, 5683..5748, 5683..5757, 5887..5973, 5900..5965, 6615..6698, 6619..6663, 6790..6846, 6792..6848, 6971..7015, 7289..7363, 7290..7385		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98339	Strand	-
Start	27668	End	27820
Name	OJ000306_06.0403.C16.o1.ts	Method	TBLASTX:Soybean
Start	2323	End	5972
GI	none	Score	94
Exons	2323..2427, 2324..2419, 2678..2794, 2679..2795, 2680..2796, 2680..2796, 2681..2797, 2864..2998, 2865..2960, 3305..3391, 3307..3387, 3461..3487, 3463..3618, 3469..3618, 3542..3622, 4463..4567, 4469..4564, 4470..4568, 4643..4792, 4643..4789, 4660..4797, 4675..4791, 4801..4935, 4859..4927, 4862..4972, 4863..4949, 5031..5096, 5039..5095, 5050..5097, 5051..5098, 5098..5193, 5099..5266, 5104..5268, 5141..5266, 5371..5469, 5372..5479, 5377..5478, 5542..5703, 5683..5745, 5895..5972, 5900..5965		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98339	Strand	-

Start	27668	End	27820
Name	OJ000306_06.0403.C16.o2.tm	Method	TBLASTX:Maize
Start	2861	End	7376
GI	none	Score	116
Exons	2861..2998, 2862..2957, 3305..3391, 3307..3387, 3461..3487, 3463..3618, 3469..3618, 3542..3631, 4469..4567, 4470..4565, 4470..4580, 4471..4566, 4643..4789, 4646..4792, 4663..4839, 4675..4791, 4861..4935, 4863..4949, 5031..5093, 5039..5095, 5137..5265, 5138..5266, 5372..5479, 5375..5476, 5380..5478, 5505..5585, 5522..5662, 5542..5745, 5629..5757, 5640..5756, 5893..5970, 5900..5965, 6489..6539, 6615..6683, 6615..6704, 6616..6702, 6789..6848, 6792..6848, 6793..6861, 6969..7055, 7149..7214, 7289..7363, 7290..7376		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98339	Strand	-
Start	27668	End	27820
Name	OJ000306_06.0403.C16.o1.tw	Method	TBLASTX:Wheat
Start	2873	End	4568
GI	none	Score	138
Exons	2873..2998, 2873..2998, 3287..3391, 3307..3387, 3462..3617, 3463..3618, 3463..3618, 3485..3634, 3542..3643, 4463..4564, 4469..4564, 4470..4568		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98339	Strand	-
Start	27668	End	27820
Name	OJ000306_06.0403.C16.o4.ts	Method	TBLASTX:Soybean
Start	6489	End	7193
GI	none	Score	63
Exons	6489..6539, 6615..6683, 6615..6701, 6616..6684, 6792..6854, 6792..6848, 6793..6864, 6971..7015, 7149..7193		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98339	Strand	-
Start	27668	End	27820
Name	OJ000306_06.0403.C16.o1.tm	Method	TBLASTX:Maize
Start	9987	End	13911
GI	none	Score	74
Exons	9987..10097, 9997..10077, 10119..10238, 10171..10239, 10248..10502, 10249..10353, 10564..10683, 10566..10820, 10576..10785, 10869..11126, 10870..10944, 11014..11151, 12722..12811, 12953..13027, 13052..13165, 13193..13366, 13367..13630, 13401..13601, 13658..13843, 13674..13754, 13821..13838, 13845..13910, 13846..13911		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98339	Strand	-
Start	27668	End	27820
Name	OJ000306_06.0403.C16.o2.ts	Method	TBLASTX:Soybean
Start	10164	End	13771
GI	none	Score	202
Exons	10164..10247, 10251..10502, 10566..10820, 10567..10821, 10809..10964, 10882..10935, 12953..13027, 13052..13171, 13059..13172, 13193..13366, 13197..13271, 13367..13630, 13401..13607, 13646..13771, 13686..13763		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98339	Strand	-
Start	27668	End	27820
Name	OJ000306_06.0403.C16.o2.tc	Method	TBLASTX:Cress
Start	10281	End	13456
GI	none	Score	63
Exons	10281..10502, 10566..10655, 10576..10656, 13076..13171, 13193..13366, 13367..13456		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98339	Strand	-
Start	27668	End	27820
Name	OJ000306_06.0403.C16.o3.tc	Method	TBLASTX:Cress
Start	10788	End	13843
GI	none	Score	180
Exons	10788..10820, 10869..11066, 13589..13648, 13655..13843		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98339	Strand	-
Start	27668	End	27820
Name	OJ000306_06.0403.C16.o3.ts	Method	TBLASTX:Soybean
Start	10980	End	14117
GI	none	Score	65
Exons	10980..11180, 11238..11441, 13784..13843, 13854..13964, 14013..14117		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98339	Strand	-
Start	27668	End	27820
Name	OJ000306_06.0403.C16.o3.tm	Method	TBLASTX:Maize
Start	22120	End	22329
GI	none	Score	107
Exons	22120..22329, 22121..22318		

Seq. No.	46354	Seq. ID	OJ000306_06.0403.C16
Gene No.	98339	Strand	-
Start	27668	End	27820
Name	OJ000306_06.0403.C16.o6.gs	Method	GENSCAN
Start	27668	End	27820
GI	none	Score	.87
Exons	27668..27820		

Seq. No.	46355	Seq. ID	OJ000306_06.0403.C17
Gene No.	98340	Strand	+
Start	1051	End	4130
Name	OJ000306_06.0403.C17.o1.gp	Method	AAT/GAP
Start	1051	End	3155
GI	uC-osrocyp010f10b1	Score	1000
Exons	1051..1156, 1959..2227, 2999..3155		
GI Descrip.	'102506/pir||S15786 1.0e-18 glucose transport protein homolog - Caenorhabditis elegans'		

Seq. No.	46355	Seq. ID	OJ000306_06.0403.C17
Gene No.	98340	Strand	+
Start	1051	End	4130
Name	OJ000306_06.0403.C17.o1.np	Method	AAT/NAP
Start	1959	End	4130

GI	7025861	Score	926
Exons	1959..2231, 3003..3236, 3660..4130		
GI Descrip.	(AC024128) putative transporter [Arabidopsis thaliana]		

Seq. No.	46355	Seq. ID	OJ000306_06.0403.C17
Gene No.	98341	Strand	-
Start	200	End	3238
Name	OJ000306_06.0403.C17.o1.gs	Method	GENSCAN
Start	200	End	3205
GI	none	Score	.66
Exons	200..353, 916..1010, 1148..1454, 3069..3205		

Seq. No.	46355	Seq. ID	OJ000306_06.0403.C17
Gene No.	98341	Strand	-
Start	200	End	3238
Name	OJ000306_06.0403.C17.o3.tm	Method	TBLASTX:Maize
Start	3015	End	3238
GI	none	Score	247
Exons	3015..3236, 3020..3232, 3027..3236, 3106..3237, 3107..3238		

Seq. No.	46355	Seq. ID	OJ000306_06.0403.C17
Gene No.	98342	Strand	
Start	3655	End	3904
Name	OJ000306_06.0403.C17.o1.tm	Method	TBLASTX:Maize
Start	3655	End	3904
GI	none	Score	249
Exons	3655..3900, 3659..3904, 3660..3902, 3830..3904		

Seq. No.	46355	Seq. ID	OJ000306_06.0403.C17
Gene No.	98343	Strand	
Start	3906	End	4122
Name	OJ000306_06.0403.C17.o2.tm	Method	TBLASTX:Maize
Start	3906	End	4122
GI	none	Score	283
Exons	3906..4121, 3907..4122, 3923..4120		

Seq. No.	46356	Seq. ID	OJ000306_01.0407.C5
Gene No.	98344	Strand	+
Start	287	End	2644
Name	OJ000306_01.0407.C5.o1.gs	Method	GENSCAN
Start	287	End	2644
GI	none	Score	.41
Exons	287..329, 1711..1862, 2057..2165, 2309..2400, 2480..2644		

Seq. No.	46356	Seq. ID	OJ000306_01.0407.C5
Gene No.	98345	Strand	-
Start	3936	End	4304
Name	OJ000306_01.0407.C5.o2.gs	Method	GENSCAN
Start	3936	End	4304
GI	none	Score	.81
Exons	3936..4015, 4292..4304		

Seq. No.	46356	Seq. ID	OJ000306_01.0407.C5
Gene No.	98346	Strand	-
Start	11556	End	11802
Name	OJ000306_01.0407.C5.o1.np	Method	AAT/NAP
Start	11556	End	11802

GI	6069646	Score	218
Exons	11556..11802		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98347	Strand	+
Start	1692	End	1846
Name	OJ000306_01.0407.C6.o1.gp	Method	AAT/GAP
Start	1692	End	1846
GI	2797131	Score	289
Exons	1692..1846		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98348	Strand	+
Start	3767	End	9533
Name	OJ000306_01.0407.C6.o1.gs	Method	GENSCAN
Start	3767	End	7673
GI	none	Score	.77
Exons	3767..4150, 4254..4396, 4516..4680, 4791..5028, 7048..7155, 7199..7388, 7618..7673		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98348	Strand	+
Start	3767	End	9533
Name	OJ000306_01.0407.C6.o1.np	Method	AAT/NAP
Start	4005	End	9533
GI	2829902	Score	1749
Exons	4005..4253, 4348..4396, 4473..4680, 4791..5028, 7048..7155, 7272..7388, 7491..7617, 8274..8837, 9177..9253, 9387..9533		
GI Descrip.	(AC002311) Putative sulphate transporter protein#protein [Arabidopsis thaliana]		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98348	Strand	+
Start	3767	End	9533
Name	OJ000306_01.0407.C6.o2.gp	Method	AAT/GAP
Start	7090	End	8798
GI	9555_1.R1084	Score	1517
Exons	7090..7155, 7272..7388, 7491..7617, 8274..8798		
GI Descrip.	'2829902 4.0e-65 (AC002311) Putative sulphate transporter protein#protein [Arabidopsis thaliana]'		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98348	Strand	+
Start	3767	End	9533
Name	OJ000306_01.0407.C6.o2.gs	Method	GENSCAN
Start	8264	End	9524
GI	none	Score	.87
Exons	8264..8837, 9144..9253, 9387..9524		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98349	Strand	+
Start	13078	End	15503

Name	OJ000306_01.0407.C6.o4.gp	Method	AAT/GAP
Start	12682	End	13832
GI	35695_1.R1084	Score	979
Exons	12682..12830, 13101..13398, 13753..13832		
GI Descrip.	'5803275/dbj|BAA83585.1| 5.0e-64 (AP000399) EST AU056133(S20320) corresponds to a region of the predicted gene; similar to Caenorhabditis elegans cosmid D1054; hypothetical protein (Z74030) [Oryza sativa]'		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98349	Strand	+
Start	13078	End	15503
Name	OJ000306_01.0407.C6.o2.np	Method	AAT/NAP
Start	13078	End	15503
GI	5803275	Score	772
Exons	13078..13398, 13753..13833, 14339..14410, 14987..15007, 15468..15503		
GI Descrip.	(AP000399) EST AU056133(S20320) corresponds to a region of the predicted gene; similar to Caenorhabditis elegans cosmid D1054; hypothetical protein (Z74030) [Oryza sativa]		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98349	Strand	+
Start	13078	End	15503
Name	OJ000306_01.0407.C6.o3.gs	Method	GENSCAN
Start	13078	End	15007
GI	none	Score	.63
Exons	13078..13398, 13753..13833, 14339..14410, 14987..15007		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98350	Strand	-
Start	9537	End	9958
Name	OJ000306_01.0407.C6.o4.ts	Method	TBLASTX:Soybean
Start	4011	End	4397
GI	none	Score	237
Exons	4011..4253, 4073..4168, 4226..4249, 4342..4395, 4345..4395, 4347..4397		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98350	Strand	-
Start	9537	End	9958
Name	OJ000306_01.0407.C6.o1.tc	Method	TBLASTX:Cress
Start	4014	End	9437
GI	none	Score	229
Exons	4014..4253, 4049..4168, 4226..4249, 4345..4395, 4347..4391, 4474..4671, 4475..4681, 4785..5018, 4786..5025, 7047..7106, 7271..7390, 7272..7385, 7484..7630, 7485..7625, 8236..8334, 8240..8836, 8272..8763, 8603..8833, 9167..9259, 9381..9437		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98350	Strand	-
Start	9537	End	9958
Name	OJ000306_01.0407.C6.o4.tm	Method	TBLASTX:Maize
Start	4473	End	4618
GI	none	Score	67
Exons	4473..4529, 4474..4608, 4475..4618		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98350	Strand	-
Start	9537	End	9958
Name	OJ000306_01.0407.C6.o3.ts	Method	TBLASTX:Soybean
Start	4489	End	5028
GI	none	Score	182
Exons	4489..4677, 4490..4690, 4774..4971, 4785..5009, 4786..5028		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98350	Strand	-
Start	9537	End	9958
Name	OJ000306_01.0407.C6.o3.tm	Method	TBLASTX:Maize
Start	4619	End	7625
GI	none	Score	89
Exons	4619..4678, 4621..4671, 4786..4974, 4791..4976, 4791..5027, 4792..5028, 7047..7154, 7047..7124, 7048..7158, 7048..7167, 7271..7390, 7272..7388, 7479..7625, 7484..7618		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98350	Strand	-
Start	9537	End	9958
Name	OJ000306_01.0407.C6.o1.tw	Method	TBLASTX:Wheat
Start	7287	End	8341
GI	none	Score	80
Exons	7287..7385, 7343..7390, 7484..7618, 7485..7625, 8240..8341, 8272..8328		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98350	Strand	-
Start	9537	End	9958
Name	OJ000306_01.0407.C6.o1.ts	Method	TBLASTX:Soybean
Start	7548	End	9479
GI	none	Score	106
Exons	7548..7625, 7550..7618, 8272..8835, 8273..8836, 9167..9259, 9381..9479		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98350	Strand	-
Start	9537	End	9958
Name	OJ000306_01.0407.C6.o1.tm	Method	TBLASTX:Maize
Start	8305	End	9499
GI	none	Score	743
Exons	8305..8832, 8306..8833, 8606..8833, 9167..9259, 9381..9479, 9386..9499		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98350	Strand	-
Start	9537	End	9958
Name	OJ000306_01.0407.C6.o3.gp	Method	AAT/GAP
Start	9537	End	9958
GI	1255_1.R1084	Score	820
Exons	9537..9958		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-127 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98351	Strand	

Start	13069	End	14446
Name	OJ000306_01.0407.C6.o2.tm	Method	TBLASTX:Maize
Start	13069	End	13422
GI	none	Score	76
Exons	13069..13266, 13092..13406, 13106..13162, 13108..13413, 13345..13422		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98351	Strand	
Start	13069	End	14446
Name	OJ000306_01.0407.C6.o2.ts	Method	TBLASTX:Soybean
Start	13110	End	14446
GI	none	Score	92
Exons	13110..13397, 13110..13400, 13111..13413, 13737..13838, 13741..13842, 13751..13837, 13752..13841, 14331..14417, 14336..14446, 14338..14409		

Seq. No.	46357	Seq. ID	OJ000306_01.0407.C6
Gene No.	98351	Strand	
Start	13069	End	14446
Name	OJ000306_01.0407.C6.o2.tc	Method	TBLASTX:Cress
Start	13113	End	13371
GI	none	Score	197
Exons	13113..13253, 13114..13257, 13114..13257, 13258..13371, 13260..13370		

Seq. No.	46358	Seq. ID	OJ000306_01.0407.C7
Gene No.	98352	Strand	+
Start	363	End	476
Name	OJ000306_01.0407.C7.o1.gs	Method	GENSCAN
Start	363	End	476
GI	none	Score	.6
Exons	363..476		

Seq. No.	46358	Seq. ID	OJ000306_01.0407.C7
Gene No.	98353	Strand	-
Start	1102	End	3393
Name	OJ000306_01.0407.C7.o2.gs	Method	GENSCAN
Start	1102	End	3393
GI	none	Score	1
Exons	1102..3393		

Seq. No.	46358	Seq. ID	OJ000306_01.0407.C7
Gene No.	98353	Strand	-
Start	1102	End	3393
Name	OJ000306_01.0407.C7.o1.np	Method	AAT/NAP
Start	1105	End	3393
GI	5803274	Score	3962
Exons	1105..3393		
GI Descrip.	(AP000399) similar to Arabidopsis thaliana BAC T5J8 from chromosome IV; hypothetical protein (AC004044) [Oryza sativa]		

Seq. No.	46358	Seq. ID	OJ000306_01.0407.C7
Gene No.	98353	Strand	-
Start	1102	End	3393
Name	OJ000306_01.0407.C7.o2.tm	Method	TBLASTX:Maize
Start	1108	End	1851

GI	none	Score	66
Exons	1108..1851, 1397..1540, 1471..1650, 1522..1848, 1558..1779		

Seq. No.	46358	Seq. ID	OJ000306_01.0407.C7
Gene No.	98353	Strand	-
Start	1102	End	3393
Name	OJ000306_01.0407.C7.o1.ts	Method	TBLASTX:Soybean
Start	1321	End	3213
GI	none	Score	100
Exons	1321..1656, 1330..1653, 2206..2328, 2542..2727, 3031..3213		

Seq. No.	46358	Seq. ID	OJ000306_01.0407.C7
Gene No.	98353	Strand	-
Start	1102	End	3393
Name	OJ000306_01.0407.C7.o1.tc	Method	TBLASTX:Cress
Start	1330	End	3279
GI	none	Score	55
Exons	1330..1419, 1432..1566, 1433..1570, 1543..1779, 1558..1713, 1558..2130, 1567..1776, 1598..1795, 1849..1992, 2125..2412, 2221..2391, 2233..2586, 2314..2451, 2377..2724, 2383..2835, 2623..2772, 2683..2826, 2716..3096, 2815..3246, 2848..3027, 3058..3099, 3109..3273, 3175..3279		

Seq. No.	46358	Seq. ID	OJ000306_01.0407.C7
Gene No.	98353	Strand	-
Start	1102	End	3393
Name	OJ000306_01.0407.C7.o1.tw	Method	TBLASTX:Wheat
Start	1411	End	3144
GI	none	Score	67
Exons	1411..1713, 1414..1884, 1468..1590, 1771..2037, 2002..2208, 2542..2802, 2642..2752, 2710..2895, 2800..3144, 2858..3079		

Seq. No.	46358	Seq. ID	OJ000306_01.0407.C7
Gene No.	98353	Strand	-
Start	1102	End	3393
Name	OJ000306_01.0407.C7.o1.tm	Method	TBLASTX:Maize
Start	1861	End	3273
GI	none	Score	381
Exons	1861..2025, 1870..2202, 1902..2288, 1906..2304, 1906..2304, 1907..2305, 1922..2305, 2002..2397, 2593..2970, 2773..3015, 3013..3054, 3109..3273, 3182..3250		

Seq. No.	46359	Seq. ID	OJ000306_01.0407.C8
Gene No.	98354	Strand	+
Start	1091	End	2149
Name	OJ000306_01.0407.C8.o1.gs	Method	GENSCAN
Start	1091	End	2149
GI	none	Score	.49
Exons	1091..1157, 1834..1972, 2017..2149		

Seq. No.	46359	Seq. ID	OJ000306_01.0407.C8
Gene No.	98354	Strand	+
Start	1091	End	2149
Name	OJ000306_01.0407.C8.o1.np	Method	AAT/NAP
Start	1091	End	2146
GI	5803273	Score	548
Exons	1091..1157, 1834..1972, 2017..2146		

GI Descrip. (AP000399) hypothetical protein [Oryza sativa]

Seq. No.	46359	Seq. ID	OJ000306_01.0407.C8
Gene No.	98355	Strand	-
Start	3380	End	6448
Name	OJ000306_01.0407.C8.o1.gp	Method	AAT/GAP
Start	2737	End	3431
GI	90269_1.R1084	Score	1321
Exons	2737..3431		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	46359	Seq. ID	OJ000306_01.0407.C8
Gene No.	98355	Strand	-
Start	3380	End	6448
Name	OJ000306_01.0407.C8.o1.ts	Method	TBLASTX:Soybean
Start	3380	End	6215
GI	none	Score	50
Exons	3380..3505, 3387..3500, 3395..3505, 3534..3647, 3536..3649, 3545..3652, 3816..3890, 3822..3890, 3823..3909, 4041..4172, 4042..4176, 4275..4388, 4277..4387, 5627..5767, 5628..5768, 5670..5768, 5833..6210, 5862..6215		

Seq. No.	46359	Seq. ID	OJ000306_01.0407.C8
Gene No.	98355	Strand	-
Start	3380	End	6448
Name	OJ000306_01.0407.C8.o2.gs	Method	GENSCAN
Start	3380	End	6330
GI	none	Score	.75
Exons	3380..3646, 3822..3890, 3984..4170, 4275..4388, 5628..5761, 5862..6330		

Seq. No.	46359	Seq. ID	OJ000306_01.0407.C8
Gene No.	98355	Strand	-
Start	3380	End	6448
Name	OJ000306_01.0407.C8.o2.np	Method	AAT/NAP
Start	3383	End	6373
GI	5803272	Score	2065
Exons	3383..3646, 3822..3890, 3984..4170, 4275..4388, 5628..5761, 5862..6373		
GI Descrip.	(AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]		

Seq. No.	46359	Seq. ID	OJ000306_01.0407.C8
Gene No.	98355	Strand	-
Start	3380	End	6448
Name	OJ000306_01.0407.C8.o1.tm	Method	TBLASTX:Maize
Start	3416	End	6373
GI	none	Score	46
Exons	3416..3649, 3435..3479, 3543..3647, 3807..3890, 4041..4172, 4045..4173, 4275..4388, 4277..4390, 4277..4387, 5627..5767, 5634..5768, 5670..5768, 5843..6115, 5845..6138, 5857..5988, 5861..6106, 5862..6131, 5868..6146, 6171..6197, 6211..6300, 6216..6299, 6219..6365, 6338..6373		

Seq. No.	46359	Seq. ID	OJ000306_01.0407.C8

Gene No.	98355	Strand	-
Start	3380	End	6448
Name	OJ000306_01.0407.C8.o1.tc	Method	TBLASTX:Cress
Start	3431	End	6376
GI	none	Score	98
Exons	3431..3517, 3536..3649, 3537..3647, 3547..3648, 3816..3890, 3822..3890, 3823..3891, 3829..3903, 4041..4172, 4048..4182, 4277..4438, 4299..4391, 5618..5767, 5625..5768, 5627..5767, 5833..6120, 5862..6125, 5868..6125, 6162..6245, 6162..6236, 6323..6376, 6326..6376		

Seq. No.	46359	Seq. ID	OJ000306_01.0407.C8
Gene No.	98355	Strand	-
Start	3380	End	6448
Name	OJ000306_01.0407.C8.o2.gp	Method	AAT/GAP
Start	3504	End	4160
GI	2428662	Score	714
Exons	3504..3646, 3822..3890, 3984..4160		
GI Descrip.	5803272/dbj|BAA83582.1| 3.0e-69 (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]		

Seq. No.	46359	Seq. ID	OJ000306_01.0407.C8
Gene No.	98355	Strand	-
Start	3380	End	6448
Name	OJ000306_01.0407.C8.o1.tw	Method	TBLASTX:Wheat
Start	5627	End	5987
GI	none	Score	121
Exons	5627..5764, 5628..5765, 5859..5987		

Seq. No.	46359	Seq. ID	OJ000306_01.0407.C8
Gene No.	98355	Strand	-
Start	3380	End	6448
Name	OJ000306_01.0407.C8.o3.gp	Method	AAT/GAP
Start	6004	End	6448
GI	76525_1.R1084	Score	786
Exons	6004..6448		
GI Descrip.	'5803272/dbj|BAA83582.1| 4.0e-32 (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]'		

Seq. No.	46360	Seq. ID	OJ000306_01.0407.C9
Gene No.	98356	Strand	+
Start	68	End	532
Name	OJ000306_01.0407.C9.o1.gs	Method	GENSCAN
Start	68	End	532
GI	none	Score	.99
Exons	68..532		

Seq. No.	46360	Seq. ID	OJ000306_01.0407.C9
Gene No.	98356	Strand	+
Start	68	End	532
Name	OJ000306_01.0407.C9.o1.gp	Method	AAT/GAP
Start	312	End	444
GI	76525_1.R1084	Score	238

Exons	312..444
GI Descrip.	'5803272/dbj|BAA83582.1| 4.0e-32 (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]'

Seq. No.	46360	Seq. ID	OJ000306_01.0407.C9
Gene No.	98357	Strand	-
Start	662	End	749
Name	OJ000306_01.0407.C9.o2.gs	Method	GENSCAN
Start	662	End	749
GI	none	Score	.91
Exons	662..749		

Seq. No.	46361	Seq. ID	OJ000306_01.0407.C10
Gene No.	98358	Strand	-
Start	540	End	1685
Name	OJ000306_01.0407.C10.o1.ts	Method	TBLASTX:Soybean
Start	494	End	1683
GI	none	Score	41
Exons	494..532, 519..605, 534..677, 653..673, 873..974, 934..972, 972..1007, 974..1009, 977..1018, 1112..1240, 1129..1242, 1132..1242, 1346..1447, 1348..1446, 1527..1610, 1531..1683, 1533..1652		

Seq. No.	46361	Seq. ID	OJ000306_01.0407.C10
Gene No.	98358	Strand	-
Start	540	End	1685
Name	OJ000306_01.0407.C10.o1.gs	Method	GENSCAN
Start	540	End	1239
GI	none	Score	.55
Exons	540..683, 873..939, 1133..1239		

Seq. No.	46361	Seq. ID	OJ000306_01.0407.C10
Gene No.	98358	Strand	-
Start	540	End	1685
Name	OJ000306_01.0407.C10.o1.np	Method	AAT/NAP
Start	552	End	1685
GI	6453853	Score	519
Exons	552..697, 854..1016, 1133..1239, 1351..1444, 1531..1685		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	46361	Seq. ID	OJ000306_01.0407.C10
Gene No.	98358	Strand	-
Start	540	End	1685
Name	OJ000306_01.0407.C10.o1.gp	Method	AAT/GAP
Start	627	End	1620
GI	55249_1.R1084	Score	862
Exons	627..683, 873..1016, 1133..1239, 1351..1444, 1531..1620		
GI Descrip.	'5902363/gb|AAD55465.1|AC009322_5 2.0e-50 (AC009322) Putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]'		

Seq. No.	46361	Seq. ID	OJ000306_01.0407.C10
Gene No.	98358	Strand	-
Start	540	End	1685

Name	OJ000306_01.0407.C10.o1.tm	Method	TBLASTX:Maize
Start	873	End	1684
GI	none	Score	80
Exons	873..974, 916..975, 927..974, 928..975, 956..1018, 972..1025, 977..1018, 1132..1242, 1139..1237, 1346..1447, 1348..1446, 1351..1449, 1353..1451, 1531..1683, 1532..1684, 1533..1652		

Seq. No.	46361	Seq. ID	OJ000306_01.0407.C10
Gene No.	98358	Strand	-
Start	540	End	1685
Name	OJ000306_01.0407.C10.o1.tw	Method	TBLASTX:Wheat
Start	894	End	1607
GI	none	Score	70
Exons	894..974, 916..975, 927..974, 928..975, 974..1018, 975..1031, 1132..1239, 1132..1242, 1346..1447, 1348..1446, 1350..1451, 1350..1448, 1532..1603, 1533..1607		

Seq. No.	46361	Seq. ID	OJ000306_01.0407.C10
Gene No.	98358	Strand	-
Start	540	End	1685
Name	OJ000306_01.0407.C10.o1.tc	Method	TBLASTX:Cress
Start	1132	End	1634
GI	none	Score	118
Exons	1132..1242, 1133..1240, 1346..1447, 1348..1446, 1357..1449, 1531..1632, 1533..1634		

Seq. No.	46362	Seq. ID	OJ000306_01.0407.C11
Gene No.	98359	Strand	-
Start	1	End	1899
Name	OJ000306_01.0407.C11.o1.np	Method	AAT/NAP
Start	1	End	1899
GI	6453853	Score	832
Exons	1..162, 781..969, 1408..1473, 1558..1705, 1828..1899		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	46362	Seq. ID	OJ000306_01.0407.C11
Gene No.	98359	Strand	-
Start	1	End	1899
Name	OJ000306_01.0407.C11.o1.ts	Method	TBLASTX:Soybean
Start	21	End	1899
GI	none	Score	160
Exons	21..170, 22..171, 23..172, 26..163, 781..972, 781..981, 791..973, 810..986, 1408..1479, 1412..1474, 1549..1710, 1549..1707, 1826..1894, 1827..1895, 1827..1898, 1834..1899		

Seq. No.	46362	Seq. ID	OJ000306_01.0407.C11
Gene No.	98359	Strand	-
Start	1	End	1899
Name	OJ000306_01.0407.C11.o1.tw	Method	TBLASTX:Wheat
Start	21	End	949
GI	none	Score	180
Exons	21..164, 22..165, 23..163, 24..164, 25..165, 754..948, 771..941, 781..942, 785..949		

Seq. No.	46362	Seq. ID	OJ000306_01.0407.C11
Gene No.	98359	Strand	-

Start	1	End	1899
Name	OJ000306_01.0407.C11.o1.gs	Method	GENSCAN
Start	22	End	1665
GI	none	Score	.67
Exons	22..162, 781..969, 1408..1473, 1555..1665		

Seq. No.	46362	Seq. ID	OJ000306_01.0407.C11
Gene No.	98359	Strand	-
Start	1	End	1899
Name	OJ000306_01.0407.C11.o1.tc	Method	TBLASTX:Cress
Start	22	End	172
GI	none	Score	166
Exons	22..171, 23..172, 26..163, 34..171		

Seq. No.	46362	Seq. ID	OJ000306_01.0407.C11
Gene No.	98359	Strand	-
Start	1	End	1899
Name	OJ000306_01.0407.C11.o1.tm	Method	TBLASTX:Maize
Start	58	End	1476
GI	none	Score	107
Exons	58..171, 59..169, 781..897, 790..891, 794..895, 892..981, 896..970, 1408..1476, 1409..1468		

Seq. No.	46363	Seq. ID	OJ000306_01.0407.C12
Gene No.	98360	Strand	+
Start	302	End	7330
Name	OJ000306_01.0407.C12.o1.gs	Method	GENSCAN
Start	302	End	7330
GI	none	Score	.63
Exons	302..365, 2010..2188, 2831..3034, 3458..3646, 4476..4587, 5465..5544, 6092..6202, 6650..6736, 7049..7330		

Seq. No.	46363	Seq. ID	OJ000306_01.0407.C12
Gene No.	98360	Strand	+
Start	302	End	7330
Name	OJ000306_01.0407.C12.o1.gp	Method	AAT/GAP
Start	2956	End	3572
GI	LIB3477-001-P1-K1-B4	Score	747
Exons	2956..3064, 3170..3346, 3458..3572		
GI Descrip.	'2906008 6.0e-09 (AF034203) DNA repair protein XRCC1 [Cricetulus griseus]'		

Seq. No.	46363	Seq. ID	OJ000306_01.0407.C12
Gene No.	98360	Strand	+
Start	302	End	7330
Name	OJ000306_01.0407.C12.o2.np	Method	AAT/NAP
Start	3222	End	6213
GI	6730735	Score	347
Exons	3222..3399, 3458..3646, 4476..4580, 6190..6213		
GI Descrip.	(AC018849) putative DNA repair protein [Arabidopsis thaliana]		

Seq. No.	46363	Seq. ID	OJ000306_01.0407.C12
Gene No.	98360	Strand	+
Start	302	End	7330
Name	OJ000306_01.0407.C12.o2.gp	Method	AAT/GAP
Start	4564	End	7192
GI	702351	Score	753

Exons	4564..4587, 5465..5544, 6092..6202, 6650..6736, 7049..7192		
Seq. No.	46363	Seq. ID	OJ000306_01.0407.C12
Gene No.	98361	Strand	-
Start	343	End	2239
Name	OJ000306_01.0407.C12.o1.np	Method	AAT/NAP
Start	343	End	2239
GI	6453853	Score	1122
Exons	343..512, 597..728, 827..1152, 1238..1274, 1997..2051, 2175..2239		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		
Seq. No.	46363	Seq. ID	OJ000306_01.0407.C12
Gene No.	98361	Strand	-
Start	343	End	2239
Name	OJ000306_01.0407.C12.o1.ts	Method	TBLASTX:Soybean
Start	349	End	1126
GI	none	Score	180
Exons	349..513, 360..515, 384..515, 591..731, 595..732, 601..729, 872..931, 947..997, 953..1126, 1016..1087		
Seq. No.	46363	Seq. ID	OJ000306_01.0407.C12
Gene No.	98361	Strand	-
Start	343	End	2239
Name	OJ000306_01.0407.C12.o1.tc	Method	TBLASTX:Cress
Start	381	End	1090
GI	none	Score	166
Exons	381..515, 429..491, 591..635, 601..729, 603..731, 824..1090, 828..1046		
Seq. No.	46363	Seq. ID	OJ000306_01.0407.C12
Gene No.	98361	Strand	-
Start	343	End	2239
Name	OJ000306_01.0407.C12.o1.tm	Method	TBLASTX:Maize
Start	381	End	1126
GI	none	Score	179
Exons	381..515, 396..515, 397..516, 591..731, 594..731, 598..765, 824..1087, 828..1049, 850..1086, 872..931, 947..997, 971..1126		
Seq. No.	46363	Seq. ID	OJ000306_01.0407.C12
Gene No.	98361	Strand	-
Start	343	End	2239
Name	OJ000306_01.0407.C12.o1.tw	Method	TBLASTX:Wheat
Start	783	End	1069
GI	none	Score	106
Exons	783..1019, 816..995, 827..1069		
Seq. No.	46363	Seq. ID	OJ000306_01.0407.C12
Gene No.	98362	Strand	
Start	4478	End	7335
Name	OJ000306_01.0407.C12.o2.tm	Method	TBLASTX:Maize
Start	4478	End	7335
GI	none	Score	87
Exons	4478..4570, 4484..4564, 4489..4590, 4491..4592, 4492..4590, 5464..5544, 6086..6202, 6100..6201, 6646..6744, 6647..6736, 7046..7231, 7049..7225, 7232..7330, 7276..7335		

Seq. No.	46364	Seq. ID	OJ000306_01.0407.C13
Gene No.	98363	Strand	-
Start	533	End	1150
Name	OJ000306_01.0407.C13.o1.gs	Method	GENSCAN
Start	533	End	1150
GI	none	Score	.97
Exons	533..1150		

Seq. No.	46364	Seq. ID	OJ000306_01.0407.C13
Gene No.	98364	Strand	-
Start	1296	End	2797
Name	OJ000306_01.0407.C13.o1.gp	Method	AAT/GAP
Start	1296	End	2031
GI	28922_1.R1084	Score	1070
Exons	1296..1792, 1891..2031		
GI Descrip.	'629849/pir||S43335 7.0e-78 pectate lyase (EC 4.2.2.2) - maize >gi_405535 (L20140) homology with pectate lyase [Zea mays]'		

Seq. No.	46364	Seq. ID	OJ000306_01.0407.C13
Gene No.	98364	Strand	-
Start	1296	End	2797
Name	OJ000306_01.0407.C13.o4.gp	Method	AAT/GAP
Start	1296	End	2027
GI	28922_1.R1084	Score	1062
Exons	1296..1792, 1891..2027		
GI Descrip.	'629849/pir||S43335 7.0e-78 pectate lyase (EC 4.2.2.2) - maize >gi_405535 (L20140) homology with pectate lyase [Zea mays]'		

Seq. No.	46364	Seq. ID	OJ000306_01.0407.C13
Gene No.	98364	Strand	-
Start	1296	End	2797
Name	OJ000306_01.0407.C13.o3.gp	Method	AAT/GAP
Start	1296	End	2028
GI	28922_1.R1084	Score	1064
Exons	1296..1792, 1891..2028		
GI Descrip.	'629849/pir||S43335 7.0e-78 pectate lyase (EC 4.2.2.2) - maize >gi_405535 (L20140) homology with pectate lyase [Zea mays]'		

Seq. No.	46364	Seq. ID	OJ000306_01.0407.C13
Gene No.	98364	Strand	-
Start	1296	End	2797
Name	OJ000306_01.0407.C13.o2.gp	Method	AAT/GAP
Start	1296	End	2029
GI	28922_1.R1084	Score	1066
Exons	1296..1792, 1891..2029		
GI Descrip.	'629849/pir||S43335 7.0e-78 pectate lyase (EC 4.2.2.2) - maize >gi_405535 (L20140) homology with pectate lyase [Zea mays]'		

Seq. No.	46364	Seq. ID	OJ000306_01.0407.C13
Gene No.	98364	Strand	-
Start	1296	End	2797
Name	OJ000306_01.0407.C13.o1.tm	Method	TBLASTX:Maize
Start	1435	End	2667
GI	none	Score	203
Exons	1435..1794, 1439..1789, 1896..2666, 1902..1988, 1903..2667		

Seq. No.	46364	Seq. ID	OJ000306_01.0407.C13
Gene No.	98364	Strand	-
Start	1296	End	2797
Name	OJ000306_01.0407.C13.o1.ts	Method	TBLASTX:Soybean
Start	1438	End	2627
GI	none	Score	110
Exons	1438..1794, 1682..1795, 1896..2189, 1902..1988, 1903..2268, 2265..2498, 2265..2627, 2266..2592		

Seq. No.	46364	Seq. ID	OJ000306_01.0407.C13
Gene No.	98364	Strand	-
Start	1296	End	2797
Name	OJ000306_01.0407.C13.o2.gs	Method	GENSCAN
Start	1438	End	2729
GI	none	Score	.78
Exons	1438..1792, 1891..2729		

Seq. No.	46364	Seq. ID	OJ000306_01.0407.C13
Gene No.	98364	Strand	-
Start	1296	End	2797
Name	OJ000306_01.0407.C13.o1.tw	Method	TBLASTX:Wheat
Start	1438	End	1704
GI	none	Score	109
Exons	1438..1704, 1439..1702		

Seq. No.	46364	Seq. ID	OJ000306_01.0407.C13
Gene No.	98364	Strand	-
Start	1296	End	2797
Name	OJ000306_01.0407.C13.o1.np	Method	AAT/NAP
Start	1441	End	2797
GI	629849	Score	1834
Exons	1441..1792, 1891..2797		
GI Descrip.	pectate lyase (EC 4.2.2.2) - maize gi|405535 (L20140) homology with pectate lyase [Zea mays]		

Seq. No.	46364	Seq. ID	OJ000306_01.0407.C13
Gene No.	98364	Strand	-
Start	1296	End	2797
Name	OJ000306_01.0407.C13.o1.tc	Method	TBLASTX:Cress
Start	1510	End	2652
GI	none	Score	115
Exons	1510..1794, 1682..1795, 1896..2189, 1912..2274, 2263..2418, 2269..2652, 2271..2651		

Seq. No.	46364	Seq. ID	OJ000306_01.0407.C13
Gene No.	98364	Strand	-
Start	1296	End	2797
Name	OJ000306_01.0407.C13.o2.tw	Method	TBLASTX:Wheat
Start	1921	End	2300
GI	none	Score	165
Exons	1921..2163, 1923..2162, 2188..2280, 2271..2300, 2275..2298		

Seq. No.	46364	Seq. ID	OJ000306_01.0407.C13
Gene No.	98364	Strand	-
Start	1296	End	2797
Name	OJ000306_01.0407.C13.o5.gp	Method	AAT/GAP
Start	2452	End	2797

GI	uC-osflcyp023e12b1	Score	651
Exons	2452..2797		
GI Descrip.	'629849/pir||S43335 3.0e-45 pectate lyase (EC 4.2.2.2) - maize >gi_405535 (L20140) homology with pectate lyase [Zea mays]'		

Seq. No.	46365	Seq. ID	OJ000306_01.0407.C14
Gene No.	98365	Strand	+
Start	41	End	5575
Name	OJ000306_01.0407.C14.o1.gs	Method	GENSCAN
Start	41	End	5575
GI	none	Score	.66
Exons	41..106, 2002..2136, 2476..2565, 2677..2841, 3336..3533, 3959..4108, 4791..4981, 5308..5575		

Seq. No.	46365	Seq. ID	OJ000306_01.0407.C14
Gene No.	98365	Strand	+
Start	41	End	5575
Name	OJ000306_01.0407.C14.o1.np	Method	AAT/NAP
Start	1186	End	4886
GI	7486439	Score	121
Exons	1186..1223, 2476..2592, 2676..2866, 3320..3489, 3780..3837, 3959..4177, 4842..4886		
GI Descrip.	hypothetical protein F4I1.6 - Arabidopsis thaliana gi|3128171|gb|AAC16075.1| (AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	46366	Seq. ID	OJ000306_01.0407.C15
Gene No.	98366	Strand	+
Start	1	End	1241
Name	OJ000306_01.0407.C15.o1.np	Method	AAT/NAP
Start	1	End	1241
GI	5852093	Score	57
Exons	1..24, 365..488, 1208..1241		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	46366	Seq. ID	OJ000306_01.0407.C15
Gene No.	98366	Strand	+
Start	1	End	1241
Name	OJ000306_01.0407.C15.o1.gs	Method	GENSCAN
Start	764	End	1214
GI	none	Score	.93
Exons	764..896, 1128..1214		

Seq. No.	46366	Seq. ID	OJ000306_01.0407.C15
Gene No.	98366	Strand	+
Start	1	End	1241
Name	OJ000306_01.0407.C15.o2.np	Method	AAT/NAP
Start	764	End	1241
GI	5803271	Score	333
Exons	764..896, 1128..1241		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	46367	Seq. ID	OJ000306_01.0407.C16
Gene No.	98367	Strand	+
Start	627	End	703
Name	OJ000306_01.0407.C16.o1.gp	Method	AAT/GAP
Start	627	End	703

GI	LIB3477-003-P1-K1-E9	Score	114
Exons	627..703		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46367	Seq. ID	OJ000306_01.0407.C16
Gene No.	98368	Strand	+
Start	5727	End	8114
Name	OJ000306_01.0407.C16.o2.gs	Method	GENSCAN
Start	5727	End	8114
GI	none	Score	.73
Exons	5727..5923, 6424..6516, 7695..7809, 7965..8114		

Seq. No.	46367	Seq. ID	OJ000306_01.0407.C16
Gene No.	98368	Strand	+
Start	5727	End	8114
Name	OJ000306_01.0407.C16.o2.np	Method	AAT/NAP
Start	5727	End	8111
GI	5803269	Score	861
Exons	5727..5923, 6424..6516, 7695..7809, 7965..8111		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	46367	Seq. ID	OJ000306_01.0407.C16
Gene No.	98369	Strand	+
Start	9196	End	9742
Name	OJ000306_01.0407.C16.o2.gp	Method	AAT/GAP
Start	9196	End	9742
GI	14286_1.R1084	Score	310
Exons	9196..9383, 9715..9742		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-171 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	46367	Seq. ID	OJ000306_01.0407.C16
Gene No.	98370	Strand	-
Start	21	End	3055
Name	OJ000306_01.0407.C16.o1.np	Method	AAT/NAP
Start	21	End	3055
GI	5803270	Score	986
Exons	21..91, 249..317, 1869..1970, 2085..2182, 2678..2820, 2898..3055		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	46368	Seq. ID	OJ000306_01.0407.C17
Gene No.	98371	Strand	-
Start	1800	End	3862
Name	OJ000306_01.0407.C17.o1.gp	Method	AAT/GAP
Start	750	End	3803
GI	56_1.R1084	Score	2304
Exons	750..1244, 2362..2543, 2645..2668, 2739..2765, 2859..2932, 3082..3253, 3434..3622, 3720..3803		
GI Descrip.	'5803272/dbj|BAA83582.1| 3.0e-69 (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]'		

Seq. No.	46368	Seq. ID	OJ000306_01.0407.C17
Gene No.	98371	Strand	-

Start	1800	End	3862
Name	OJ000306_01.0407.C17.o1.gs	Method	GENSCAN
Start	1800	End	3803
GI	none	Score	.75
Exons	1800..1850, 2739..2765, 2859..2932, 3082..3253, 3434..3622, 3720..3803		

Seq. No.	46368	Seq. ID	OJ000306_01.0407.C17
Gene No.	98371	Strand	-
Start	1800	End	3862
Name	OJ000306_01.0407.C17.o2.tm	Method	TBLASTX:Maize
Start	2418	End	2668
GI	none	Score	181
Exons	2418..2561, 2422..2544, 2427..2546, 2645..2668		

Seq. No.	46368	Seq. ID	OJ000306_01.0407.C17
Gene No.	98371	Strand	-
Start	1800	End	3862
Name	OJ000306_01.0407.C17.o1.np	Method	AAT/NAP
Start	2421	End	3862
GI	5803267	Score	1082
Exons	2421..2543, 2645..2707, 2859..2932, 3082..3253, 3434..3622, 3720..3862		
GI Descrip.	(AP000399) ESTs C26547(C12563),AU077938(C12563) correspond to a region of the predicted gene; similar to iron-superoxide dismutase (AB014056) [Oryza sativa]		

Seq. No.	46368	Seq. ID	OJ000306_01.0407.C17
Gene No.	98371	Strand	-
Start	1800	End	3862
Name	OJ000306_01.0407.C17.o1.ts	Method	TBLASTX:Soybean
Start	2451	End	3622
GI	none	Score	148
Exons	2451..2561, 2645..2677, 3078..3257, 3086..3256, 3431..3622, 3435..3617, 3508..3621		

Seq. No.	46368	Seq. ID	OJ000306_01.0407.C17
Gene No.	98371	Strand	-
Start	1800	End	3862
Name	OJ000306_01.0407.C17.o2.tc	Method	TBLASTX:Cress
Start	2457	End	3257
GI	none	Score	110
Exons	2457..2561, 2645..2677, 3081..3101, 3086..3256, 3087..3251, 3189..3257		

Seq. No.	46368	Seq. ID	OJ000306_01.0407.C17
Gene No.	98371	Strand	-
Start	1800	End	3862
Name	OJ000306_01.0407.C17.o1.tm	Method	TBLASTX:Maize
Start	3047	End	3840
GI	none	Score	171
Exons	3047..3073, 3059..3247, 3059..3253, 3066..3260, 3072..3260, 3453..3509, 3467..3508, 3472..3513, 3500..3622, 3500..3622, 3501..3623, 3504..3623, 3511..3624, 3511..3630, 3711..3836, 3718..3840, 3720..3839		

Seq. No.	46368	Seq. ID	OJ000306_01.0407.C17

Gene No.	98371	Strand	-
Start	1800	End	3862
Name	OJ000306_01.0407.C17.o1.tc	Method	TBLASTX:Cress
Start	3431	End	3812
GI	none	Score	99
Exons	3431..3514, 3435..3521, 3530..3622, 3531..3623, 3720..3812, 3730..3786		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98372	Strand	+
Start	939	End	6712
Name	OJ000306_01.0407.C18.o2.gp	Method	AAT/GAP
Start	939	End	3164
GI	33343_1.R1084	Score	1671
Exons	939..1097, 1443..1634, 1871..1990, 2080..2244, 2366..2516, 3061..3164		
GI Descrip.	'5803266/dbj|BAA83576.1| 1.0e-59 (AP000399) ESTs AU078063(S15496),C97608(C60475), C28255(C60475) correspond to a region of the predicted gene; similar to plastid transketolase 2 (Y15782) [Oryza sativa]'		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98372	Strand	+
Start	939	End	6712
Name	OJ000306_01.0407.C18.o1.np	Method	AAT/NAP
Start	1850	End	5755
GI	5803266	Score	3052
Exons	1850..1990, 2080..2244, 2366..2516, 3061..3329, 3678..3957, 4417..4721, 4971..5249, 5462..5755		
GI Descrip.	(AP000399) ESTs AU078063(S15496),C97608(C60475), C28255(C60475) correspond to a region of the predicted gene; similar to plastid transketolase 2 (Y15782) [Oryza sativa]		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98372	Strand	+
Start	939	End	6712
Name	OJ000306_01.0407.C18.o2.gs	Method	GENSCAN
Start	3186	End	6712
GI	none	Score	.74
Exons	3186..3329, 3678..3957, 4417..4721, 4971..5249, 5462..5746, 5928..6073, 6562..6712		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98372	Strand	+
Start	939	End	6712
Name	OJ000306_01.0407.C18.o3.gp	Method	AAT/GAP
Start	4488	End	4712
GI	uC-osflcyp112g02b1	Score	415
Exons	4488..4712		
GI Descrip.	'5803266/dbj|BAA83576.1| 2.0e-32 (AP000399) ESTs AU078063(S15496),C97608(C60475), C28255(C60475) correspond to a region of the predicted gene; similar to plastid transketolase 2 (Y15782) [Oryza sativa]'		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98372	Strand	+
Start	939	End	6712

Name	OJ000306_01.0407.C18.o4.gp	Method	AAT/GAP
Start	5176	End	6553
GI	4706_1.R1084	Score	1766
Exons	5176..5249, 5462..5746, 5928..6553		
GI Descrip.	'5803266/dbj|BAA83576.1| 5.0e-47 (AP000399) ESTs AU078063(S15496),C97608(C60475), C28255(C60475) correspond to a region of the predicted gene; similar to plastid transketolase 2 (Y15782) [Oryza sativa]'		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98373	Strand	+
Start	10818	End	13622
Name	OJ000306_01.0407.C18.o5.gp	Method	AAT/GAP
Start	10818	End	13622
GI	92846_1.R1084	Score	1390
Exons	10818..11037, 11136..11221, 11312..11362, 12918..12984, 13138..13217, 13353..13622		
GI Descrip.	'5803264/dbj|BAA83574.1| 1.0e-76 (AP000399) ESTs AU057456(S21460),AU057455(S21460) correspond to a region of the predicted gene; similar to cytochrome c oxidase subunit Vb precursor (D85381) [Oryza sativa]'		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98373	Strand	+
Start	10818	End	13622
Name	OJ000306_01.0407.C18.o3.np	Method	AAT/NAP
Start	10926	End	13418
GI	5803264	Score	693
Exons	10926..11037, 11136..11221, 11312..11362, 12918..12984, 13138..13217, 13353..13418		
GI Descrip.	(AP000399) ESTs AU057456(S21460),AU057455(S21460) correspond to a region of the predicted gene; similar to cytochrome c oxidase subunit Vb precursor (D85381) [Oryza sativa]		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98374	Strand	+
Start	14346	End	16039
Name	OJ000306_01.0407.C18.o4.np	Method	AAT/NAP
Start	14346	End	15791
GI	5803263	Score	2344
Exons	14346..14386, 14416..15791		
GI Descrip.	(AP000399) similar to serine/threonine-specific protein kinase PK10 precursor (AL021811) [Oryza sativa]		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98374	Strand	+
Start	14346	End	16039
Name	OJ000306_01.0407.C18.o6.gp	Method	AAT/GAP
Start	15587	End	16039
GI	5455578	Score	851
Exons	15587..16039		
GI Descrip.	5803263/dbj|BAA83573.1| 3.0e-09 (AP000399) similar to serine/threonine-specific protein kinase PK10 precursor (AL021811) [Oryza sativa]		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98375	Strand	+

Start	18546	End	23009
Name	OJ000306_01.0407.C18.o6.np	Method	AAT/NAP
Start	18489	End	22962
GI	5803261	Score	3911
Exons	18489..18749, 20148..21133, 21817..21868, 21982..22962		
GI Descrip.	(AP000399) similar to Arabidopsis thaliana chromosome II BAC T19L18; unknown protein (AC004747) [Oryza sativa]		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98375	Strand	+
Start	18546	End	23009
Name	OJ000306_01.0407.C18.o5.gs	Method	GENSCAN
Start	18546	End	22965
GI	none	Score	.83
Exons	18546..18749, 20148..21133, 21817..21868, 21982..22965		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98375	Strand	+
Start	18546	End	23009
Name	OJ000306_01.0407.C18.o7.gp	Method	AAT/GAP
Start	22504	End	23009
GI	LIB3475-002-P1-K2-B2	Score	999
Exons	22504..23009		
GI Descrip.	'5803261/dbj|BAA83571.1| 7.0e-89 (AP000399) similar to Arabidopsis thaliana chromosome II BAC T19L18; unknown protein (AC004747) [Oryza sativa]'		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98376	Strand	-
Start	559	End	667
Name	OJ000306_01.0407.C18.o1.gp	Method	AAT/GAP
Start	559	End	667
GI	56_1.R1084	Score	195
Exons	559..667		
GI Descrip.	'5803272/dbj|BAA83582.1| 3.0e-69 (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]'		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98377	Strand	-
Start	7155	End	9639
Name	OJ000306_01.0407.C18.o3.gs	Method	GENSCAN
Start	7155	End	9639
GI	none	Score	.86
Exons	7155..7331, 7716..7799, 7881..8066, 8391..8580, 8826..8931, 9164..9356, 9433..9639		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98377	Strand	-
Start	7155	End	9639
Name	OJ000306_01.0407.C18.o2.np	Method	AAT/NAP
Start	7158	End	9639
GI	5803265	Score	1808
Exons	7158..7331, 7716..7799, 7881..8066, 8391..8580, 8826..8931, 9164..9356, 9433..9639		
GI Descrip.	(AP000399) similar to protein arginine N-methyl transferase 1		

(Q63009) [Oryza sativa]

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98378	Strand	-
Start	17210	End	17543
Name	OJ000306_01.0407.C18.o3.tc	Method	TBLASTX:Cress
Start	1889	End	6032
GI	none	Score	95
Exons	1889..1990, 2077..2238, 2160..2249, 2167..2244, 2363..2521, 2377..2520, 3059..3232, 3060..3233, 3255..3329, 3260..3328, 3645..3902, 3695..3904, 4446..4724, 4487..4723, 4967..5212, 4968..5219, 5447..5752, 5461..5739, 5898..6032, 5910..5987, 5996..6031		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98378	Strand	-
Start	17210	End	17543
Name	OJ000306_01.0407.C18.o6.ts	Method	TBLASTX:Soybean
Start	1910	End	3122
GI	none	Score	96
Exons	1910..2044, 2101..2247, 2101..2244, 2166..2246, 2357..2521, 2359..2520, 3059..3115, 3060..3122		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98378	Strand	-
Start	17210	End	17543
Name	OJ000306_01.0407.C18.o2.tm	Method	TBLASTX:Maize
Start	1920	End	3110
GI	none	Score	105
Exons	1920..1991, 1922..1990, 1933..1998, 2068..2244, 2073..2249, 2079..2249, 2355..2516, 2355..2516, 2359..2517, 2362..2520, 2363..2521, 2369..2521, 3059..3109, 3060..3110		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98378	Strand	-
Start	17210	End	17543
Name	OJ000306_01.0407.C18.o5.ts	Method	TBLASTX:Soybean
Start	3134	End	3911
GI	none	Score	189
Exons	3134..3325, 3135..3329, 3136..3330, 3147..3344, 3699..3785, 3701..3901, 3702..3911		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98378	Strand	-
Start	17210	End	17543
Name	OJ000306_01.0407.C18.o7.tm	Method	TBLASTX:Maize
Start	3678	End	5987
GI	none	Score	268
Exons	3678..3902, 3695..3904, 4473..4724, 4592..4708, 4968..5015, 5548..5739, 5549..5752, 5567..5764, 5910..5987, 5918..5980		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98378	Strand	-
Start	17210	End	17543
Name	OJ000306_01.0407.C18.o2.ts	Method	TBLASTX:Soybean
Start	4470	End	5512
GI	none	Score	342

Exons	4470..4724, 4472..4723, 4937..5227, 4967..5242, 4968..5252, 5446..5511, 5447..5512		
Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98378	Strand	-
Start	17210	End	17543
Name	OJ000306_01.0407.C18.o3.tm	Method	TBLASTX:Maize
Start	5018	End	5545
GI	none	Score	377
Exons	5018..5248, 5019..5252, 5439..5528, 5447..5545, 5461..5544		
Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98378	Strand	-
Start	17210	End	17543
Name	OJ000306_01.0407.C18.o7.ts	Method	TBLASTX:Soybean
Start	5513	End	6080
GI	none	Score	271
Exons	5513..5752, 5515..5745, 5582..5746, 5910..6080		
Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98378	Strand	-
Start	17210	End	17543
Name	OJ000306_01.0407.C18.o4.tm	Method	TBLASTX:Maize
Start	7138	End	8072
GI	none	Score	227
Exons	7138..7332, 7146..7364, 7146..7334, 7704..7799, 7704..7805, 7708..7806, 7875..7910, 7881..7922, 7882..7923, 7912..8067, 7929..8072, 7976..8071		
Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98378	Strand	-
Start	17210	End	17543
Name	OJ000306_01.0407.C18.o4.ts	Method	TBLASTX:Soybean
Start	7155	End	8471
GI	none	Score	98
Exons	7155..7334, 7156..7332, 7704..7799, 7704..7805, 7705..7806, 7858..8073, 7881..8072, 8382..8471		
Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98378	Strand	-
Start	17210	End	17543
Name	OJ000306_01.0407.C18.o1.ts	Method	TBLASTX:Soybean
Start	8472	End	9580
GI	none	Score	68
Exons	8472..8588, 8473..8589, 8823..8948, 8825..8932, 9159..9359, 9160..9354, 9422..9580, 9433..9573		
Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98378	Strand	-
Start	17210	End	17543
Name	OJ000306_01.0407.C18.o1.tc	Method	TBLASTX:Cress
Start	8852	End	9580
GI	none	Score	86
Exons	8852..8932, 8855..8932, 8859..8933, 9159..9359, 9160..9354, 9422..9580, 9433..9573		
Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18

Gene No.	98378	Strand	-
Start	17210	End	17543
Name	OJ000306_01.0407.C18.o1.tm	Method	TBLASTX:Maize
Start	8871	End	9574
GI	none	Score	93
Exons	8871..8933, 8873..8932, 9158..9358, 9159..9359, 9159..9359, 9422..9574, 9430..9573		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98378	Strand	-
Start	17210	End	17543
Name	OJ000306_01.0407.C18.o6.tm	Method	TBLASTX:Maize
Start	14693	End	15371
GI	none	Score	158
Exons	14693..14914, 14939..14971, 15023..15085, 15093..15371		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98378	Strand	-
Start	17210	End	17543
Name	OJ000306_01.0407.C18.o2.tc	Method	TBLASTX:Cress
Start	14723	End	15593
GI	none	Score	77
Exons	14723..14776, 14836..14925, 14837..14914, 14933..14983, 14938..14970, 15023..15085, 15093..15458, 15093..15350, 15525..15593		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98378	Strand	-
Start	17210	End	17543
Name	OJ000306_01.0407.C18.o3.ts	Method	TBLASTX:Soybean
Start	14741	End	15596
GI	none	Score	142
Exons	14741..14917, 14912..15085, 15090..15344, 15525..15596		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98378	Strand	-
Start	17210	End	17543
Name	OJ000306_01.0407.C18.o5.np	Method	AAT/NAP
Start	17210	End	17543
GI	5803262	Score	344
Exons	17210..17391, 17513..17543		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98379	Strand	
Start	18525	End	18668
Name	OJ000306_01.0407.C18.o8.tm	Method	TBLASTX:Maize
Start	18525	End	18668
GI	none	Score	184
Exons	18525..18668, 18527..18667		

Seq. No.	46369	Seq. ID	OJ000306_01.0407.C18
Gene No.	98380	Strand	
Start	22063	End	22458
Name	OJ000306_01.0407.C18.o5.tm	Method	TBLASTX:Maize
Start	22063	End	22458
GI	none	Score	87

Exons	22063..22170, 22063..22233, 22180..22308, 22189..22299, 22309..22458, 22312..22440, 22314..22457		
Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98381	Strand	+
Start	413	End	672
Name	OJ000306_01.0407.C19.o1.gp	Method	AAT/GAP
Start	413	End	672
GI	uC-osflcyp035f02b1	Score	488
Exons	413..672		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98382	Strand	+
Start	4372	End	11135
Name	OJ000306_01.0407.C19.o2.gs	Method	GENSCAN
Start	4372	End	11135
GI	none	Score	.48
Exons	4372..4458, 4700..4906, 4963..6150, 6235..6961, 6992..7344, 7408..8099, 8210..11135		
Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98382	Strand	+
Start	4372	End	11135
Name	OJ000306_01.0407.C19.o2.np	Method	AAT/NAP
Start	4981	End	11132
GI	7228457	Score	9443
Exons	4981..5347, 5409..7344, 7408..8241, 8364..9515, 9582..11132		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98383	Strand	+
Start	11295	End	11756
Name	OJ000306_01.0407.C19.o2.gp	Method	AAT/GAP
Start	11295	End	11756
GI	2428323	Score	858
Exons	11295..11756		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		
Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98384	Strand	+
Start	20026	End	20612
Name	OJ000306_01.0407.C19.o3.gp	Method	AAT/GAP
Start	19922	End	20612
GI	74_2.R1084	Score	849
Exons	19922..20089, 20195..20256, 20384..20612		
GI Descrip.	'5803258/dbj|BAA83568.1| 8.0e-50 (AP000399) EST AU077972(C53511) corresponds to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]'		
Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98384	Strand	+
Start	20026	End	20612

Name	OJ000306_01.0407.C19.o5.np	Method	AAT/NAP
Start	20026	End	20602
GI	5803258	Score	512
Exons	20026..20089, 20195..20256, 20384..20602		
GI Descrip.	(AP000399) EST AU077972(C53511) corresponds to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98384	Strand	+
Start	20026	End	20612
Name	OJ000306_01.0407.C19.o6.gs	Method	GENSCAN
Start	20026	End	20291
GI	none	Score	.92
Exons	20026..20089, 20195..20256, 20277..20291		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98385	Strand	-
Start	396	End	3363
Name	OJ000306_01.0407.C19.o1.gs	Method	GENSCAN
Start	396	End	3330
GI	none	Score	.84
Exons	396..1573, 1919..2011, 2243..2940, 3128..3330		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98385	Strand	-
Start	396	End	3363
Name	OJ000306_01.0407.C19.o1.np	Method	AAT/NAP
Start	399	End	3363
GI	5803260	Score	3749
Exons	399..1573, 1919..2011, 2243..2940, 3128..3363		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98386	Strand	-
Start	11764	End	16716
Name	OJ000306_01.0407.C19.o3.gs	Method	GENSCAN
Start	11764	End	15023
GI	none	Score	.99
Exons	11764..13666, 13762..15023		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98386	Strand	-
Start	11764	End	16716
Name	OJ000306_01.0407.C19.o3.np	Method	AAT/NAP
Start	11767	End	15023
GI	5803259	Score	5330
Exons	11767..13666, 13762..15023		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98386	Strand	-
Start	11764	End	16716
Name	OJ000306_01.0407.C19.o4.np	Method	AAT/NAP
Start	14232	End	16716
GI	5922623	Score	201
Exons	14232..14253, 15855..15930, 16098..16250, 16632..16716		

GI Descrip. (AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o1.tm	Method	TBLASTX:Maize
Start	543	End	1415
GI	none	Score	225
Exons	543..644, 777..1085, 778..1086, 1096..1296, 1101..1415, 1128..1409, 1369..1413		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o1.tc	Method	TBLASTX:Cress
Start	771	End	3240
GI	none	Score	191
Exons	771..1079, 775..1080, 1110..1418, 1126..1257, 1140..1355, 2235..2339, 2361..2654, 2727..2789, 3178..3240		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o10.tw	Method	TBLASTX:Wheat
Start	771	End	1037
GI	none	Score	92
Exons	771..1037, 784..903		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o1.ts	Method	TBLASTX:Soybean
Start	771	End	1427
GI	none	Score	191
Exons	771..1082, 772..1080, 1104..1256, 1126..1257, 1284..1427		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o6.tw	Method	TBLASTX:Wheat
Start	1038	End	1394
GI	none	Score	136
Exons	1038..1079, 1113..1394, 1113..1394		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o7.tw	Method	TBLASTX:Wheat
Start	5635	End	6027
GI	none	Score	58
Exons	5635..5682, 5689..5787, 5694..5786, 5754..5993, 5770..6027		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599

Name	OJ000306_01.0407.C19.o6.tm	Method	TBLASTX:Maize
Start	5640	End	5925
GI	none	Score	197
Exons	5640..5924, 5677..5925		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o3.tw	Method	TBLASTX:Wheat
Start	6765	End	7251
GI	none	Score	407
Exons	6765..6938, 6766..7251, 6960..7220, 7030..7224		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o1.tw	Method	TBLASTX:Wheat
Start	7415	End	7878
GI	none	Score	198
Exons	7415..7858, 7416..7871, 7417..7878, 7417..7872		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o4.ts	Method	TBLASTX:Soybean
Start	7456	End	7821
GI	none	Score	118
Exons	7456..7680, 7687..7821		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o2.tm	Method	TBLASTX:Maize
Start	7546	End	7902
GI	none	Score	389
Exons	7546..7902, 7581..7892, 7597..7902		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o5.tm	Method	TBLASTX:Maize
Start	7929	End	8312
GI	none	Score	279
Exons	7929..8207, 7930..8208, 8202..8312		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o2.tw	Method	TBLASTX:Wheat
Start	7986	End	12518
GI	none	Score	274
Exons	7986..8207, 7987..8217, 8089..8208, 8199..8405, 8225..8398, 12420..12518		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599

Name	OJ000306_01.0407.C19.o2.ts	Method	TBLASTX:Soybean
Start	8065	End	8435
GI	none	Score	154
Exons	8065..8208, 8082..8207, 8205..8435		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o5.tw	Method	TBLASTX:Wheat
Start	9060	End	9494
GI	none	Score	230
Exons	9060..9311, 9060..9257, 9080..9301, 9345..9494, 9354..9491, 9356..9493		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o3.ts	Method	TBLASTX:Soybean
Start	9183	End	9749
GI	5666795	Score	68
Exons	9183..9281, 9357..9494, 9549..9749		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o9.tw	Method	TBLASTX:Wheat
Start	9497	End	9809
GI	none	Score	188
Exons	9497..9673, 9549..9809		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o3.tm	Method	TBLASTX:Maize
Start	10002	End	10310
GI	none	Score	355
Exons	10002..10310, 10031..10309		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o4.tw	Method	TBLASTX:Wheat
Start	10139	End	10520
GI	none	Score	365
Exons	10139..10195, 10140..10520, 10236..10481, 10241..10489		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o8.tw	Method	TBLASTX:Wheat
Start	10521	End	11123
GI	none	Score	267
Exons	10521..10817, 10525..10596, 10526..10624, 10661..10804, 10997..11119, 10998..11123		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19

Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o4.tm	Method	TBLASTX:Maize
Start	20031	End	20599
GI	none	Score	63
Exons	20031..20084, 20032..20088, 20033..20083, 20375..20599, 20386..20598		

Seq. No.	46370	Seq. ID	OJ000306_01.0407.C19
Gene No.	98387	Strand	-
Start	20380	End	20599
Name	OJ000306_01.0407.C19.o7.gs	Method	GENSCAN
Start	20380	End	20523
GI	none	Score	.85
Exons	20380..20523		

Seq. No.	46371	Seq. ID	OJ000306_01.0407.C20
Gene No.	98388	Strand	+
Start	370	End	1816
Name	OJ000306_01.0407.C20.o1.gs	Method	GENSCAN
Start	370	End	1816
GI	none	Score	.69
Exons	370..451, 846..1165, 1745..1816		

Seq. No.	46372	Seq. ID	OJ000306_01.0407.C21
Gene No.	98389	Strand	+
Start	142	End	4684
Name	OJ000306_01.0407.C21.o1.gs	Method	GENSCAN
Start	142	End	4684
GI	none	Score	.5
Exons	142..374, 856..877, 1062..1166, 2104..2185, 2428..2668, 4561..4684		

Seq. No.	46372	Seq. ID	OJ000306_01.0407.C21
Gene No.	98389	Strand	+
Start	142	End	4684
Name	OJ000306_01.0407.C21.o1.gp	Method	AAT/GAP
Start	2004	End	2805
GI	74_1.R1084	Score	1162
Exons	2004..2185, 2272..2333, 2428..2805		
GI Descrip.	'5803256/dbj|BAA83566.1| 2.0e-46 (AP000399) ESTs C98280(C1391),D15843(C1391) correspond to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]'		

Seq. No.	46372	Seq. ID	OJ000306_01.0407.C21
Gene No.	98389	Strand	+
Start	142	End	4684
Name	OJ000306_01.0407.C21.o1.np	Method	AAT/NAP
Start	2122	End	2646
GI	5803256	Score	521
Exons	2122..2185, 2272..2333, 2428..2646		
GI Descrip.	(AP000399) ESTs C98280(C1391),D15843(C1391) correspond to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	46372	Seq. ID	OJ000306_01.0407.C21

Gene No.	98389	Strand	+
Start	142	End	4684
Name	OJ000306_01.0407.C21.o1.tm	Method	TBLASTX:Maize
Start	2125	End	2651
GI	none	Score	82
Exons	2125..2184, 2125..2184, 2271..2327, 2428..2649, 2428..2649, 2430..2651		

Seq. No.	46372	Seq. ID	OJ000306_01.0407.C21
Gene No.	98389	Strand	+
Start	142	End	4684
Name	OJ000306_01.0407.C21.o2.np	Method	AAT/NAP
Start	2295	End	3639
GI	6630699	Score	86
Exons	2295..2324, 3560..3639		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	46373	Seq. ID	OJ000306_01.0407.C22
Gene No.	98390	Strand	+
Start	1950	End	3082
Name	OJ000306_01.0407.C22.o2.gp	Method	AAT/GAP
Start	1950	End	3082
GI	74_3.R1084	Score	1531
Exons	1950..2202, 2326..2387, 2562..3082		
GI Descrip.	'3763845/dbj|BAA33813| 9.0e-50 (AB018375) early nodulin [Oryza sativa] >gi_3763847_dbj_BAA33814_ (AB018376) early nodulin [Oryza sativa] >gi_5803255_dbj_BAA83565.1_ (AP000399) ESTs C98096(C0688),C98097(C0688) correspond to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]'		

Seq. No.	46373	Seq. ID	OJ000306_01.0407.C22
Gene No.	98390	Strand	+
Start	1950	End	3082
Name	OJ000306_01.0407.C22.o1.gs	Method	GENSCAN
Start	2139	End	2719
GI	none	Score	.79
Exons	2139..2202, 2455..2514, 2562..2719		

Seq. No.	46373	Seq. ID	OJ000306_01.0407.C22
Gene No.	98390	Strand	+
Start	1950	End	3082
Name	OJ000306_01.0407.C22.o1.np	Method	AAT/NAP
Start	2139	End	2780
GI	3763845	Score	522
Exons	2139..2202, 2326..2387, 2562..2780		
GI Descrip.	(AB018375) early nodulin [Oryza sativa] gi|3763847|dbj|BAA33814| (AB018376) early nodulin [Oryza sativa] gi|5803255|dbj|BAA83565.1| (AP000399) ESTs C98096(C0688),C98097(C0688) correspond to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	46373	Seq. ID	OJ000306_01.0407.C22
Gene No.	98391	Strand	-

Start	3472	End	6205
Name	OJ000306_01.0407.C22.o1.tm	Method	TBLASTX:Maize
Start	2145	End	2784
GI	none	Score	75
Exons	2145..2201, 2146..2196, 2562..2783, 2562..2783, 2716..2784		

Seq. No.	46373	Seq. ID	OJ000306_01.0407.C22
Gene No.	98391	Strand	-
Start	3472	End	6205
Name	OJ000306_01.0407.C22.o2.gs	Method	GENSCAN
Start	3472	End	6205
GI	none	Score	.82
Exons	3472..3666, 4131..4448, 4544..4690, 4776..5009, 5056..5173, 5263..5615, 6105..6205		

Seq. No.	46373	Seq. ID	OJ000306_01.0407.C22
Gene No.	98391	Strand	-
Start	3472	End	6205
Name	OJ000306_01.0407.C22.o3.gp	Method	AAT/GAP
Start	3858	End	4690
GI	15799_1.R1084	Score	1158
Exons	3858..4448, 4544..4690		
GI Descrip.	'5803254/dbj|BAA83564.1| 4.0e-69 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	46373	Seq. ID	OJ000306_01.0407.C22
Gene No.	98391	Strand	-
Start	3472	End	6205
Name	OJ000306_01.0407.C22.o2.np	Method	AAT/NAP
Start	4071	End	5582
GI	5803254	Score	2259
Exons	4071..4448, 4544..4690, 4776..5582		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	46373	Seq. ID	OJ000306_01.0407.C22
Gene No.	98391	Strand	-
Start	3472	End	6205
Name	OJ000306_01.0407.C22.o2.tm	Method	TBLASTX:Maize
Start	4538	End	5160
GI	none	Score	51
Exons	4538..4612, 4539..4619, 4555..4617, 4628..4681, 4638..4682, 4653..4682, 4768..4851, 4782..4856, 4782..4868, 4926..5126, 4933..5160, 4938..5153		

Seq. No.	46373	Seq. ID	OJ000306_01.0407.C22
Gene No.	98391	Strand	-
Start	3472	End	6205
Name	OJ000306_01.0407.C22.o4.gp	Method	AAT/GAP
Start	4819	End	5225
GI	6062534	Score	750
Exons	4819..5225		
GI Descrip.	5803254/dbj|BAA83564.1| 4.0e-69 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084)		

correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]

Seq. No.	46373	Seq. ID	OJ000306_01.0407.C22
Gene No.	98391	Strand	-
Start	3472	End	6205
Name	OJ000306_01.0407.C22.o5.gp	Method	AAT/GAP
Start	5199	End	5618
GI	71486_1.R1084	Score	747
Exons	5199..5618		
GI Descrip.	'5803254/dbj|BAA83564.1| 3.0e-35 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	46374	Seq. ID	OJ000306_01.0407.C26
Gene No.	98392	Strand	-
Start	6514	End	6618
Name	OJ000306_01.0407.C26.o1.gp	Method	AAT/GAP
Start	6514	End	6618
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	6514..6618		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	46374	Seq. ID	OJ000306_01.0407.C26
Gene No.	98393	Strand	-
Start	7682	End	8037
Name	OJ000306_01.0407.C26.o2.gs	Method	GENSCAN
Start	7682	End	8037
GI	none	Score	.72
Exons	7682..7982, 7991..8037		

Seq. No.	46375	Seq. ID	OJ000306_01.0407.C27
Gene No.	98394	Strand	-
Start	1	End	701
Name	OJ000306_01.0407.C27.o1.np	Method	AAT/NAP
Start	1	End	701
GI	6466937	Score	617
Exons	1..701		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	46375	Seq. ID	OJ000306_01.0407.C27
Gene No.	98394	Strand	-
Start	1	End	701
Name	OJ000306_01.0407.C27.o2.tm	Method	TBLASTX:Maize
Start	3	End	338
GI	none	Score	111
Exons	3..338, 22..237		

Seq. No.	46375	Seq. ID	OJ000306_01.0407.C27
Gene No.	98394	Strand	-
Start	1	End	701
Name	OJ000306_01.0407.C27.o1.tw	Method	TBLASTX:Wheat
Start	138	End	701

GI	none	Score	120
Exons	138..284, 333..530, 525..701		
Seq. No.	46375	Seq. ID	OJ000306_01.0407.C27
Gene No.	98394	Strand	-
Start	1	End	701
Name	OJ000306_01.0407.C27.o1.tm	Method	TBLASTX:Maize
Start	343	End	701
GI	none	Score	136
Exons	343..525, 345..530, 525..701		
Seq. No.	46376	Seq. ID	OJ000306_09.0407.C2
Gene No.	98395	Strand	+
Start	602	End	982
Name	OJ000306_09.0407.C2.o1.gs	Method	GENSCAN
Start	602	End	982
GI	none	Score	.63
Exons	602..646, 921..982		
Seq. No.	46377	Seq. ID	OJ000306_09.0407.C3
Gene No.	98396	Strand	+
Start	64	End	1340
Name	OJ000306_09.0407.C3.o1.gs	Method	GENSCAN
Start	64	End	1189
GI	none	Score	.77
Exons	64..113, 874..960, 1042..1189		
Seq. No.	46377	Seq. ID	OJ000306_09.0407.C3
Gene No.	98396	Strand	+
Start	64	End	1340
Name	OJ000306_09.0407.C3.o1.np	Method	AAT/NAP
Start	729	End	1340
GI	4512627	Score	225
Exons	729..960, 1042..1340		
GI Descrip.	(AC004793) Similar to gb|Z29643 protein kinase C inhibitor (PKCI) from Zea mays and a member of HIT family PF|01230. [Arabidopsis thaliana]		
Seq. No.	46377	Seq. ID	OJ000306_09.0407.C3
Gene No.	98396	Strand	+
Start	64	End	1340
Name	OJ000306_09.0407.C3.o1.tc	Method	TBLASTX:Cress
Start	1039	End	1191
GI	none	Score	220
Exons	1039..1188, 1043..1189, 1045..1191		
Seq. No.	46377	Seq. ID	OJ000306_09.0407.C3
Gene No.	98396	Strand	+
Start	64	End	1340
Name	OJ000306_09.0407.C3.o1.tm	Method	TBLASTX:Maize
Start	1039	End	1191
GI	none	Score	220
Exons	1039..1179, 1043..1189, 1045..1191		
Seq. No.	46377	Seq. ID	OJ000306_09.0407.C3
Gene No.	98396	Strand	+
Start	64	End	1340

Name	OJ000306_09.0407.C3.o1.ts	Method	TBLASTX:Soybean
Start	1043	End	1189
GI	none	Score	216
Exons	1043..1189, 1043..1180, 1045..1188		

Seq. No.	46377	Seq. ID	OJ000306_09.0407.C3
Gene No.	98396	Strand	+
Start	64	End	1340
Name	OJ000306_09.0407.C3.o1.gp	Method	AAT/GAP
Start	1088	End	1189
GI	70222_1.R1084	Score	134
Exons	1088..1189		
GI Descrip.	'629858/pir||S45368 1.0e-37 protein kinase C inhibitor - maize'		

Seq. No.	46378	Seq. ID	OJ000306_09.0407.C4
Gene No.	98397	Strand	+
Start	65	End	691
Name	OJ000306_09.0407.C4.o1.gp	Method	AAT/GAP
Start	65	End	691
GI	70222_1.R1084	Score	810
Exons	65..182, 374..691		
GI Descrip.	'629858/pir||S45368 1.0e-37 protein kinase C inhibitor - maize'		

Seq. No.	46378	Seq. ID	OJ000306_09.0407.C4
Gene No.	98397	Strand	+
Start	65	End	691
Name	OJ000306_09.0407.C4.o1.np	Method	AAT/NAP
Start	65	End	438
GI	629858	Score	215
Exons	65..182, 374..438		
GI Descrip.	protein kinase C inhibitor - maize		

Seq. No.	46378	Seq. ID	OJ000306_09.0407.C4
Gene No.	98398	Strand	+
Start	1922	End	3213
Name	OJ000306_09.0407.C4.o3.np	Method	AAT/NAP
Start	1922	End	3213
GI	5777617	Score	82
Exons	1922..2070, 3062..3213		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	46378	Seq. ID	OJ000306_09.0407.C4
Gene No.	98399	Strand	-
Start	1249	End	3817
Name	OJ000306_09.0407.C4.o2.tm	Method	TBLASTX:Maize
Start	64	End	453
GI	none	Score	180
Exons	64..183, 65..223, 376..441, 378..440, 382..453		

Seq. No.	46378	Seq. ID	OJ000306_09.0407.C4
Gene No.	98399	Strand	-
Start	1249	End	3817
Name	OJ000306_09.0407.C4.o2.gp	Method	AAT/GAP
Start	1045	End	2952
GI	30856_1.R1084	Score	1344
Exons	1045..1377, 1467..1637, 1822..1910, 2831..2952		
GI Descrip.	'3668097 3.0e-57 (AC004667) putative glycine cleavage system		

protein H precursor [Arabidopsis thaliana]'

Seq. No.	46378	Seq. ID	OJ000306_09.0407.C4
Gene No.	98399	Strand	-
Start	1249	End	3817
Name	OJ000306_09.0407.C4.o1.tc	Method	TBLASTX:Cress
Start	1246	End	1921
GI	none	Score	86
Exons	1246..1377, 1249..1377, 1449..1640, 1456..1638, 1464..1646, 1656..1715, 1822..1911, 1832..1921		

Seq. No.	46378	Seq. ID	OJ000306_09.0407.C4
Gene No.	98399	Strand	-
Start	1249	End	3817
Name	OJ000306_09.0407.C4.o1.gs	Method	GENSCAN
Start	1249	End	3817
GI	none	Score	.71
Exons	1249..1377, 1467..1637, 1822..1956, 2831..2980, 3650..3817		

Seq. No.	46378	Seq. ID	OJ000306_09.0407.C4
Gene No.	98399	Strand	-
Start	1249	End	3817
Name	OJ000306_09.0407.C4.o1.tm	Method	TBLASTX:Maize
Start	1249	End	2873
GI	none	Score	80
Exons	1249..1389, 1258..1377, 1449..1640, 1449..1640, 1456..1641, 1817..1900, 1821..1901, 1822..1908, 1822..1911, 1826..1921, 2832..2873		

Seq. No.	46378	Seq. ID	OJ000306_09.0407.C4
Gene No.	98399	Strand	-
Start	1249	End	3817
Name	OJ000306_09.0407.C4.o1.ts	Method	TBLASTX:Soybean
Start	1249	End	1921
GI	none	Score	86
Exons	1249..1362, 1249..1377, 1449..1640, 1456..1641, 1529..1642, 1531..1647, 1822..1911, 1822..1911, 1832..1921		

Seq. No.	46378	Seq. ID	OJ000306_09.0407.C4
Gene No.	98399	Strand	-
Start	1249	End	3817
Name	OJ000306_09.0407.C4.o2.np	Method	AAT/NAP
Start	1252	End	2909
GI	3668097	Score	505
Exons	1252..1377, 1467..1637, 1822..1913, 2831..2909		
GI Descrip.	(AC004667) glycine decarboxylase complex H-protein [Arabidopsis thaliana]		

Seq. No.	46379	Seq. ID	OJ000306_09.0407.C5
Gene No.	98400	Strand	+
Start	1	End	1978
Name	OJ000306_09.0407.C5.o1.np	Method	AAT/NAP
Start	1	End	1978
GI	7339706	Score	123
Exons	1..212, 608..923, 1938..1978		
GI Descrip.	(AP001539) ESTs AU075845(S20210),AU075846(S20210) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana		

chromosome 4 BAC clone T4F9; putative protein. (AL049523) [Oryza sativa]

Seq. No.	46379	Seq. ID	OJ000306_09.0407.C5
Gene No.	98401	Strand	-
Start	69	End	2765
Name	OJ000306_09.0407.C5.o1.gs	Method	GENSCAN
Start	69	End	2765
GI	none	Score	.4
Exons	69..584, 662..909, 1357..1465, 2642..2765		

Seq. No.	46379	Seq. ID	OJ000306_09.0407.C5
Gene No.	98401	Strand	-
Start	69	End	2765
Name	OJ000306_09.0407.C5.o2.np	Method	AAT/NAP
Start	1334	End	2642
GI	5777617	Score	68
Exons	1334..1442, 2621..2642		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	46380	Seq. ID	OJ000306_09.0407.C6
Gene No.	98402	Strand	+
Start	851	End	4185
Name	OJ000306_09.0407.C6.o4.np	Method	AAT/NAP
Start	851	End	4185
GI	7489066	Score	708
Exons	851..1157, 1294..2594, 2645..3751, 4086..4185		
GI Descrip.	resistance complex protein I2C-2 - tomato gi|2258317|gb|AAB63275.1| (AF004879) resistance complex protein I2C-2 [Lycopersicon esculentum]		

Seq. No.	46380	Seq. ID	OJ000306_09.0407.C6
Gene No.	98402	Strand	+
Start	851	End	4185
Name	OJ000306_09.0407.C6.o2.np	Method	AAT/NAP
Start	1406	End	3187
GI	7489501	Score	732
Exons	1406..2587, 2645..3187		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792220|gb|AAB96985.1| (AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	46380	Seq. ID	OJ000306_09.0407.C6
Gene No.	98402	Strand	+
Start	851	End	4185
Name	OJ000306_09.0407.C6.o1.tm	Method	TBLASTX:Maize
Start	2054	End	2431
GI	none	Score	184
Exons	2054..2365, 2062..2364, 2366..2431		

Seq. No.	46380	Seq. ID	OJ000306_09.0407.C6
Gene No.	98402	Strand	+
Start	851	End	4185
Name	OJ000306_09.0407.C6.o1.ts	Method	TBLASTX:Soybean
Start	2072	End	3232
GI	none	Score	219
Exons	2072..2428, 2074..2346, 2147..2431, 2765..2986, 3029..3232		

Seq. No.	46381	Seq. ID	OJ000306_09.0407.C7
Gene No.	98403	Strand	+
Start	1	End	364
Name	OJ000306_09.0407.C7.o1.np	Method	AAT/NAP
Start	1	End	364
GI	7489454	Score	155
Exons	1..364		
GI Descrip.	bacterial blight-resistance protein Xa1 - rice gi|2943742|dbj|BAA25068.1| (AB002266) XA1 [Oryza sativa]		

Seq. No.	46381	Seq. ID	OJ000306_09.0407.C7
Gene No.	98404	Strand	-
Start	806	End	1035
Name	OJ000306_09.0407.C7.o1.gs	Method	GENSCAN
Start	806	End	1035
GI	none	Score	.47
Exons	806..900, 960..1035		

Seq. No.	46382	Seq. ID	OJ000306_09.0407.C8
Gene No.	98405	Strand	+
Start	795	End	2327
Name	OJ000306_09.0407.C8.o1.gs	Method	GENSCAN
Start	795	End	2327
GI	none	Score	.55
Exons	795..1008, 1408..1453, 1559..1597, 2294..2327		

Seq. No.	46383	Seq. ID	OJ000306_09.0407.C11
Gene No.	98406	Strand	+
Start	1	End	766
Name	OJ000306_09.0407.C11.o1.np	Method	AAT/NAP
Start	1	End	766
GI	7486532	Score	226
Exons	1..451, 660..766		
GI Descrip.	hypothetical protein F6N15.10 - Arabidopsis thaliana gi|3193327|gb|AAC19309.1| (AF069299) F6N15.10 gene product [Arabidopsis thaliana] gi|7267093|emb|CAB80764.1| (AL161471) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	46383	Seq. ID	OJ000306_09.0407.C11
Gene No.	98406	Strand	+
Start	1	End	766
Name	OJ000306_09.0407.C11.o1.gs	Method	GENSCAN
Start	211	End	552
GI	none	Score	.76
Exons	211..393, 460..552		

Seq. No.	46384	Seq. ID	OJ000306_09.0407.C12
Gene No.	98407	Strand	+
Start	1	End	710
Name	OJ000306_09.0407.C12.o1.np	Method	AAT/NAP
Start	1	End	710
GI	7486532	Score	114
Exons	1..52, 567..710		
GI Descrip.	hypothetical protein F6N15.10 - Arabidopsis thaliana gi|3193327|gb|AAC19309.1| (AF069299) F6N15.10 gene product [Arabidopsis thaliana] gi|7267093|emb|CAB80764.1| (AL161471)		

hypothetical protein [Arabidopsis thaliana]

Seq. No.	46384	Seq. ID	OJ000306_09.0407.C12
Gene No.	98408	Strand	+
Start	6242	End	8053
Name	OJ000306_09.0407.C12.o2.np	Method	AAT/NAP
Start	6242	End	8053
GI	4321762	Score	110
Exons	6242..6369, 7274..7406, 8028..8053		
GI Descrip.	(AF061107) transcription factor MYC7E [Zea mays]		

Seq. No.	46384	Seq. ID	OJ000306_09.0407.C12
Gene No.	98409	Strand	+
Start	8375	End	8601
Name	OJ000306_09.0407.C12.o1.gp	Method	AAT/GAP
Start	8375	End	8601
GI	5004057	Score	343
Exons	8375..8601		

Seq. No.	46384	Seq. ID	OJ000306_09.0407.C12
Gene No.	98410	Strand	+
Start	11740	End	13425
Name	OJ000306_09.0407.C12.o5.np	Method	AAT/NAP
Start	11740	End	13425
GI	4680501	Score	179
Exons	11740..12224, 13380..13425		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	46384	Seq. ID	OJ000306_09.0407.C12
Gene No.	98411	Strand	+
Start	13652	End	17264
Name	OJ000306_09.0407.C12.o6.np	Method	AAT/NAP
Start	13652	End	16917
GI	6721558	Score	211
Exons	13652..13751, 15979..16103, 16705..16917		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	46384	Seq. ID	OJ000306_09.0407.C12
Gene No.	98411	Strand	+
Start	13652	End	17264
Name	OJ000306_09.0407.C12.o7.np	Method	AAT/NAP
Start	15514	End	17264
GI	6721561	Score	877
Exons	15514..15582, 16170..16349, 16421..16483, 16554..17264		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46384	Seq. ID	OJ000306_09.0407.C12
Gene No.	98412	Strand	-
Start	7168	End	9403
Name	OJ000306_09.0407.C12.o1.tm	Method	TBLASTX:Maize
Start	566	End	2441

GI	none	Score	191
Exons	566..688, 567..689, 1194..1241, 1195..1293, 1205..1255, 1493..1537, 1495..1539, 1707..1778, 1708..1779, 1709..1780, 1869..1955, 1870..1956, 1871..1981, 2229..2360, 2231..2371, 2231..2335, 2254..2376, 2361..2441, 2379..2426, 2381..2437		

Seq. No.	46384	Seq. ID	OJ000306_09.0407.C12
Gene No.	98412	Strand	-
Start	7168	End	9403
Name	OJ000306_09.0407.C12.o1.ts	Method	TBLASTX:Soybean
Start	1493	End	1981
GI	none	Score	74
Exons	1493..1537, 1708..1779, 1709..1780, 1866..1955, 1867..1956, 1871..1981, 1872..1979		

Seq. No.	46384	Seq. ID	OJ000306_09.0407.C12
Gene No.	98412	Strand	-
Start	7168	End	9403
Name	OJ000306_09.0407.C12.o3.np	Method	AAT/NAP
Start	7168	End	9403
GI	4321762	Score	56
Exons	7168..7265, 9240..9403		
GI Descrip.	(AF061107) transcription factor MYC7E [Zea mays]		

Seq. No.	46384	Seq. ID	OJ000306_09.0407.C12
Gene No.	98412	Strand	-
Start	7168	End	9403
Name	OJ000306_09.0407.C12.o4.np	Method	AAT/NAP
Start	7507	End	7605
GI	5777617	Score	98
Exons	7507..7605		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98413	Strand	+
Start	260	End	694
Name	OJ000306_09.0407.C13.o1.gs	Method	GENSCAN
Start	260	End	694
GI	none	Score	.56
Exons	260..694		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98414	Strand	+
Start	9229	End	13303
Name	OJ000306_09.0407.C13.o2.np	Method	AAT/NAP
Start	9166	End	11409
GI	6862923	Score	488
Exons	9166..10299, 11391..11409		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98414	Strand	+
Start	9229	End	13303
Name	OJ000306_09.0407.C13.o3.gs	Method	GENSCAN
Start	9229	End	10323
GI	none	Score	.49
Exons	9229..10323		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98414	Strand	+
Start	9229	End	13303
Name	OJ000306_09.0407.C13.o3.np	Method	AAT/NAP
Start	10807	End	13279
GI	4680501	Score	477
Exons	10807..10831, 12642..13279		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98414	Strand	+
Start	9229	End	13303
Name	OJ000306_09.0407.C13.o4.gs	Method	GENSCAN
Start	12224	End	13303
GI	none	Score	.84
Exons	12224..12265, 12272..13303		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98415	Strand	+
Start	15157	End	15351
Name	OJ000306_09.0407.C13.o1.gp	Method	AAT/GAP
Start	14966	End	15351
GI	611_1.R1084	Score	539
Exons	14966..15039, 15135..15351		
GI Descrip.	'129916/sp|P12783|PGKY_WHEAT 1.0e-38 PHOSPHOGLYCERATE KINASE, CYTOSOLIC >gi_66911_pir__TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat >gi_21835_emb_CAA33302_ (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]'		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98415	Strand	+
Start	15157	End	15351
Name	OJ000306_09.0407.C13.o4.np	Method	AAT/NAP
Start	15157	End	15351
GI	129916	Score	251
Exons	15157..15351		
GI Descrip.	PHOSPHOGLYCERATE KINASE, CYTOSOLIC gi|66911|pir||TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat gi|21835|emb|CAA33302| (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98415	Strand	+
Start	15157	End	15351
Name	OJ000306_09.0407.C13.o5.gs	Method	GENSCAN
Start	15157	End	15351
GI	none	Score	.99
Exons	15157..15351		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98416	Strand	-
Start	1309	End	7700
Name	OJ000306_09.0407.C13.o1.np	Method	AAT/NAP
Start	1309	End	7700
GI	7228457	Score	3142
Exons	1309..2838, 2905..4568, 4623..6171, 7647..7700		

GI Descrip. (AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98416	Strand	-
Start	1309	End	7700
Name	OJ000306_09.0407.C13.o5.tw	Method	TBLASTX:Wheat
Start	1318	End	1905
GI	none	Score	70
Exons	1318..1449, 1319..1444, 1474..1635, 1615..1905, 1676..1768, 1817..1903		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98416	Strand	-
Start	1309	End	7700
Name	OJ000306_09.0407.C13.o4.tw	Method	TBLASTX:Wheat
Start	1912	End	2293
GI	none	Score	190
Exons	1912..2292, 1949..2191, 2237..2293		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98416	Strand	-
Start	1309	End	7700
Name	OJ000306_09.0407.C13.o3.tm	Method	TBLASTX:Maize
Start	2119	End	2424
GI	none	Score	173
Exons	2119..2424, 2120..2407		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98416	Strand	-
Start	1309	End	7700
Name	OJ000306_09.0407.C13.o9.tw	Method	TBLASTX:Wheat
Start	2629	End	2883
GI	none	Score	67
Exons	2629..2883, 2756..2881		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98416	Strand	-
Start	1309	End	7700
Name	OJ000306_09.0407.C13.o7.tw	Method	TBLASTX:Wheat
Start	2926	End	3332
GI	none	Score	57
Exons	2926..2997, 2926..3099, 3107..3241, 3109..3249, 3234..3332		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98416	Strand	-
Start	1309	End	7700
Name	OJ000306_09.0407.C13.o2.ts	Method	TBLASTX:Soybean
Start	3423	End	3848
GI	none	Score	86
Exons	3423..3848, 3664..3789		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98416	Strand	-
Start	1309	End	7700
Name	OJ000306_09.0407.C13.o2.tw	Method	TBLASTX:Wheat

Start	3478	End	3902
GI	none	Score	244
Exons	3478..3792, 3480..3902, 3498..3902		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98416	Strand	-
Start	1309	End	7700
Name	OJ000306_09.0407.C13.o4.tm	Method	TBLASTX:Maize
Start	3576	End	3959
GI	none	Score	115
Exons	3576..3959, 3577..3792, 3822..3932		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98416	Strand	-
Start	1309	End	7700
Name	OJ000306_09.0407.C13.o2.tm	Method	TBLASTX:Maize
Start	3987	End	4343
GI	none	Score	224
Exons	3987..4343, 3988..4281		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98416	Strand	-
Start	1309	End	7700
Name	OJ000306_09.0407.C13.o1.tw	Method	TBLASTX:Wheat
Start	4017	End	4472
GI	none	Score	359
Exons	4017..4472, 4018..4464, 4032..4472		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98416	Strand	-
Start	1309	End	7700
Name	OJ000306_09.0407.C13.o3.tw	Method	TBLASTX:Wheat
Start	4665	End	5120
GI	none	Score	151
Exons	4665..4901, 4675..4899, 4938..5120, 4939..5112		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98416	Strand	-
Start	1309	End	7700
Name	OJ000306_09.0407.C13.o6.tw	Method	TBLASTX:Wheat
Start	5751	End	6149
GI	none	Score	81
Exons	5751..6011, 5752..5979, 5985..6098, 6037..6087, 6099..6149		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98416	Strand	-
Start	1309	End	7700
Name	OJ000306_09.0407.C13.o6.tm	Method	TBLASTX:Maize
Start	5865	End	6104
GI	none	Score	198
Exons	5865..6104		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98417	Strand	
Start	9267	End	13273
Name	OJ000306_09.0407.C13.o1.tm	Method	TBLASTX:Maize
Start	9267	End	13264

GI	none	Score	77
Exons	9267..9365, 9274..9378, 9727..9996, 9783..9941, 10036..10203, 10216..10299, 12721..12948, 12725..12979, 13001..13171, 13172..13264		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98417	Strand	
Start	9267	End	13273
Name	OJ000306_09.0407.C13.o1.ts	Method	TBLASTX:Soybean
Start	9727	End	13272
GI	none	Score	261
Exons	9727..9996, 9747..9953, 10036..10203, 10173..10289, 10216..10299, 12725..12979, 12745..12879, 12907..12948, 13000..13125, 13001..13171, 13172..13264, 13183..13272		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98417	Strand	
Start	9267	End	13273
Name	OJ000306_09.0407.C13.o2.tc	Method	TBLASTX:Cress
Start	9727	End	12979
GI	none	Score	223
Exons	9727..9981, 12722..12979, 12739..12948		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98417	Strand	
Start	9267	End	13273
Name	OJ000306_09.0407.C13.o8.tw	Method	TBLASTX:Wheat
Start	9898	End	13273
GI	none	Score	72
Exons	9898..9972, 10042..10203, 10212..10310, 10213..10311, 12875..12985, 12995..13168, 13183..13248, 13184..13273		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98418	Strand	
Start	15037	End	15357
Name	OJ000306_09.0407.C13.o1.tc	Method	TBLASTX:Cress
Start	15037	End	15357
GI	none	Score	266
Exons	15037..15357, 15156..15344, 15157..15351		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98418	Strand	
Start	15037	End	15357
Name	OJ000306_09.0407.C13.o5.tm	Method	TBLASTX:Maize
Start	15114	End	15357
GI	none	Score	195
Exons	15114..15353, 15153..15350, 15157..15357		

Seq. No.	46385	Seq. ID	OJ000306_09.0407.C13
Gene No.	98418	Strand	
Start	15037	End	15357
Name	OJ000306_09.0407.C13.o3.ts	Method	TBLASTX:Soybean
Start	15146	End	15357
GI	none	Score	264
Exons	15146..15250, 15153..15350, 15154..15357		

Seq. No.	46386	Seq. ID	OJ000306_09.0407.C14

Gene No.	98419	Strand	+
Start	418	End	1927
Name	OJ000306_09.0407.C14.o1.np	Method	AAT/NAP
Start	418	End	1927
GI	129916	Score	902
Exons	418..695, 801..1061, 1402..1735, 1867..1927		
GI Descrip.	PHOSPHOGLYCERATE KINASE, CYTOSOLIC gi|66911|pir||TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat gi|21835|emb|CAA33302| (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]		

Seq. No.	46386	Seq. ID	OJ000306_09.0407.C14
Gene No.	98419	Strand	+
Start	418	End	1927
Name	OJ000306_09.0407.C14.o1.tc	Method	TBLASTX:Cress
Start	561	End	1722
GI	none	Score	139
Exons	561..698, 617..697, 798..1088, 801..1067, 1400..1672, 1400..1618, 1401..1676, 1402..1722		

Seq. No.	46386	Seq. ID	OJ000306_09.0407.C14
Gene No.	98419	Strand	+
Start	418	End	1927
Name	OJ000306_09.0407.C14.o1.tm	Method	TBLASTX:Maize
Start	561	End	1722
GI	none	Score	145
Exons	561..698, 616..693, 617..697, 800..1066, 801..1067, 801..1076, 805..1107, 1400..1669, 1400..1597, 1401..1679, 1402..1722		

Seq. No.	46386	Seq. ID	OJ000306_09.0407.C14
Gene No.	98419	Strand	+
Start	418	End	1927
Name	OJ000306_09.0407.C14.o1.ts	Method	TBLASTX:Soybean
Start	561	End	1722
GI	none	Score	125
Exons	561..698, 617..697, 797..1066, 798..1076, 801..1067, 817..1080, 1400..1672, 1400..1564, 1401..1676, 1402..1722		

Seq. No.	46386	Seq. ID	OJ000306_09.0407.C14
Gene No.	98419	Strand	+
Start	418	End	1927
Name	OJ000306_09.0407.C14.o1.gs	Method	GENSCAN
Start	618	End	1719
GI	none	Score	.76
Exons	618..695, 801..1061, 1402..1719		

Seq. No.	46386	Seq. ID	OJ000306_09.0407.C14
Gene No.	98419	Strand	+
Start	418	End	1927
Name	OJ000306_09.0407.C14.o1.gp	Method	AAT/GAP
Start	881	End	1488
GI	572042	Score	480
Exons	881..1061, 1402..1488		
GI Descrip.	129916/sp|P12783|PGKY_WHEAT 1.0e-38 PHOSPHOGLYCERATE KINASE, CYTOSOLIC >gi_66911_pir__TVWTGY phosphoglycerate kinase (EC 2.7.2.3), cytosolic - wheat >gi_21835_emb_CAA33302_ (X15232) phosphoglycerate kinase (AA 1 - 401) [Triticum aestivum]		

Seq. No.	46386	Seq. ID	OJ000306_09.0407.C14
Gene No.	98419	Strand	+
Start	418	End	1927
Name	OJ000306_09.0407.C14.o1.tw	Method	TBLASTX:Wheat
Start	965	End	1728
GI	none	Score	140
Exons	965..1066, 966..1067, 967..1071, 967..1086, 1325..1651, 1400..1672, 1401..1676, 1402..1728		

Seq. No.	46387	Seq. ID	OJ000306_09.0407.C15
Gene No.	98420	Strand	+
Start	1	End	236
Name	OJ000306_09.0407.C15.o1.np	Method	AAT/NAP
Start	1	End	236
GI	3738257	Score	274
Exons	1..236		
GI Descrip.	(AB018410) cytosolic phosphoglycerate kinase 1 [Populus nigra]		

Seq. No.	46387	Seq. ID	OJ000306_09.0407.C15
Gene No.	98420	Strand	+
Start	1	End	236
Name	OJ000306_09.0407.C15.o1.gs	Method	GENSCAN
Start	45	End	171
GI	none	Score	.67
Exons	45..171		

Seq. No.	46387	Seq. ID	OJ000306_09.0407.C15
Gene No.	98421	Strand	+
Start	554	End	611
Name	OJ000306_09.0407.C15.o2.gp	Method	AAT/GAP
Start	554	End	611
GI	none	Score	72
Exons	554..611		

Seq. No.	46387	Seq. ID	OJ000306_09.0407.C15
Gene No.	98422	Strand	-
Start	177	End	541
Name	OJ000306_09.0407.C15.o1.tw	Method	TBLASTX:Wheat
Start	39	End	233
GI	none	Score	256
Exons	39..230, 42..233, 47..232		

Seq. No.	46387	Seq. ID	OJ000306_09.0407.C15
Gene No.	98422	Strand	-
Start	177	End	541
Name	OJ000306_09.0407.C15.o1.tc	Method	TBLASTX:Cress
Start	42	End	239
GI	none	Score	273
Exons	42..239, 44..235		

Seq. No.	46387	Seq. ID	OJ000306_09.0407.C15
Gene No.	98422	Strand	-
Start	177	End	541
Name	OJ000306_09.0407.C15.o1.ts	Method	TBLASTX:Soybean
Start	42	End	236
GI	none	Score	265

Exons	42..236, 42..230, 44..235		
Seq. No.	46387	Seq. ID	OJ000306_09.0407.C15
Gene No.	98422	Strand	-
Start	177	End	541
Name	OJ000306_09.0407.C15.o1.tm	Method	TBLASTX:Maize
Start	44	End	383
GI	none	Score	55
Exons	44..124, 44..193, 62..235, 68..205, 72..239, 72..383, 113..133, 292..324		
Seq. No.	46387	Seq. ID	OJ000306_09.0407.C15
Gene No.	98422	Strand	-
Start	177	End	541
Name	OJ000306_09.0407.C15.o1.gp	Method	AAT/GAP
Start	177	End	541
GI	none	Score	675
Exons	177..541		
Seq. No.	46388	Seq. ID	OJ000306_09.0407.C17
Gene No.	98423	Strand	+
Start	3499	End	7309
Name	OJ000306_09.0407.C17.o1.np	Method	AAT/NAP
Start	3499	End	6401
GI	6016874	Score	2157
Exons	3499..3577, 3661..3798, 3863..4095, 4486..4645, 5039..5218, 5336..5676, 6149..6401		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	46388	Seq. ID	OJ000306_09.0407.C17
Gene No.	98423	Strand	+
Start	3499	End	7309
Name	OJ000306_09.0407.C17.o2.gs	Method	GENSCAN
Start	3499	End	5679
GI	none	Score	.67
Exons	3499..3577, 3661..3798, 3863..3951, 4486..4645, 5219..5679		
Seq. No.	46388	Seq. ID	OJ000306_09.0407.C17
Gene No.	98423	Strand	+
Start	3499	End	7309
Name	OJ000306_09.0407.C17.o1.gp	Method	AAT/GAP
Start	4188	End	4696
GI	uC-osf1cyp110c07b1	Score	958
Exons	4188..4696		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		
Seq. No.	46388	Seq. ID	OJ000306_09.0407.C17
Gene No.	98423	Strand	+
Start	3499	End	7309
Name	OJ000306_09.0407.C17.o2.np	Method	AAT/NAP
Start	5799	End	7309
GI	6006367	Score	50
Exons	5799..5825, 7229..7309		

GI Descrip. (AP000559) hypothetical protein [Oryza sativa]

Seq. No.	46388	Seq. ID	OJ000306_09.0407.C17
Gene No.	98424	Strand	-
Start	6124	End	9540
Name	OJ000306_09.0407.C17.o2.tm	Method	TBLASTX:Maize
Start	3847	End	4293
GI	none	Score	69
Exons	3847..3933, 3919..4197, 3942..4127, 4198..4260, 4255..4293		

Seq. No.	46388	Seq. ID	OJ000306_09.0407.C17
Gene No.	98424	Strand	-
Start	6124	End	9540
Name	OJ000306_09.0407.C17.o4.tm	Method	TBLASTX:Maize
Start	4387	End	4701
GI	none	Score	65
Exons	4387..4461, 4474..4701, 4477..4605, 4482..4700		

Seq. No.	46388	Seq. ID	OJ000306_09.0407.C17
Gene No.	98424	Strand	-
Start	6124	End	9540
Name	OJ000306_09.0407.C17.o5.tm	Method	TBLASTX:Maize
Start	4906	End	5258
GI	none	Score	240
Exons	4906..5187, 4917..5258		

Seq. No.	46388	Seq. ID	OJ000306_09.0407.C17
Gene No.	98424	Strand	-
Start	6124	End	9540
Name	OJ000306_09.0407.C17.o3.tm	Method	TBLASTX:Maize
Start	5370	End	5613
GI	none	Score	282
Exons	5370..5528, 5380..5613		

Seq. No.	46388	Seq. ID	OJ000306_09.0407.C17
Gene No.	98424	Strand	-
Start	6124	End	9540
Name	OJ000306_09.0407.C17.o3.gs	Method	GENSCAN
Start	6124	End	9526
GI	none	Score	.86
Exons	6124..6397, 7244..7356, 8322..8627, 8872..9112, 9213..9526		

Seq. No.	46388	Seq. ID	OJ000306_09.0407.C17
Gene No.	98424	Strand	-
Start	6124	End	9540
Name	OJ000306_09.0407.C17.o2.gp	Method	AAT/GAP
Start	8123	End	9091
GI	1422_1.R1084	Score	1374
Exons	8123..8627, 8872..9091		
GI Descrip.	'3808101/emb|CAA09935.1| 6.0e-85 (AJ012165) chloroplast protease [Capsicum annuum]'		

Seq. No.	46388	Seq. ID	OJ000306_09.0407.C17
Gene No.	98424	Strand	-
Start	6124	End	9540
Name	OJ000306_09.0407.C17.o3.np	Method	AAT/NAP
Start	8289	End	9536

GI	3808101	Score	1262
Exons	8289..8627, 8872..9112, 9213..9536		
GI Descrip.	(AJ012165) chloroplast protease [Capsicum annuum]		

Seq. No.	46388	Seq. ID	OJ000306_09.0407.C17
Gene No.	98424	Strand	-
Start	6124	End	9540
Name	OJ000306_09.0407.C17.o1.tm	Method	TBLASTX:Maize
Start	8310	End	9538
GI	none	Score	383
Exons	8310..8630, 8319..8630, 8320..8631, 8869..9114, 8869..9120, 8873..9118, 8873..9121, 9204..9530, 9212..9529, 9217..9537, 9218..9538		

Seq. No.	46388	Seq. ID	OJ000306_09.0407.C17
Gene No.	98424	Strand	-
Start	6124	End	9540
Name	OJ000306_09.0407.C17.o1.ts	Method	TBLASTX:Soybean
Start	8319	End	9540
GI	none	Score	215
Exons	8319..8630, 8319..8630, 8320..8631, 8869..9120, 8873..9118, 8890..9123, 8982..9125, 9201..9368, 9204..9539, 9212..9529, 9214..9540, 9412..9540		

Seq. No.	46388	Seq. ID	OJ000306_09.0407.C17
Gene No.	98424	Strand	-
Start	6124	End	9540
Name	OJ000306_09.0407.C17.o2.tc	Method	TBLASTX:Cress
Start	8319	End	8970
GI	none	Score	290
Exons	8319..8570, 8320..8559, 8541..8630, 8542..8631, 8869..8970, 8873..8968		

Seq. No.	46388	Seq. ID	OJ000306_09.0407.C17
Gene No.	98424	Strand	-
Start	6124	End	9540
Name	OJ000306_09.0407.C17.o3.gp	Method	AAT/GAP
Start	8872	End	9404
GI	1422_3.R1084	Score	782
Exons	8872..9112, 9213..9404		
GI Descrip.	'4325041/gb|AAD17230.1| 6.0e-79 (AF117339) FtsH-like protein Pftf precursor [Nicotiana tabacum]'		

Seq. No.	46388	Seq. ID	OJ000306_09.0407.C17
Gene No.	98424	Strand	-
Start	6124	End	9540
Name	OJ000306_09.0407.C17.o1.tc	Method	TBLASTX:Cress
Start	8971	End	9539
GI	none	Score	179
Exons	8971..9120, 8972..9112, 8972..9121, 8973..9116, 9201..9347, 9204..9539, 9212..9529, 9214..9537		

Seq. No.	46388	Seq. ID	OJ000306_09.0407.C17
Gene No.	98424	Strand	-
Start	6124	End	9540
Name	OJ000306_09.0407.C17.o1.tw	Method	TBLASTX:Wheat
Start	9257	End	9537

GI	none	Score	350
Exons	9257..9529, 9258..9530, 9259..9537, 9412..9537		

Seq. No.	46389	Seq. ID	OJ000306_09.0407.C18
Gene No.	98425	Strand	-
Start	1	End	1716
Name	OJ000306_09.0407.C18.o1.np	Method	AAT/NAP
Start	1	End	1716
GI	4325041	Score	799
Exons	1..647, 1643..1716		
GI Descrip.	(AF117339) FtsH-like protein Pftf precursor [Nicotiana tabacum]		

Seq. No.	46389	Seq. ID	OJ000306_09.0407.C18
Gene No.	98425	Strand	-
Start	1	End	1716
Name	OJ000306_09.0407.C18.o1.tm	Method	TBLASTX:Maize
Start	1	End	681
GI	none	Score	110
Exons	1..330, 3..74, 5..670, 125..679, 126..680, 538..681		

Seq. No.	46389	Seq. ID	OJ000306_09.0407.C18
Gene No.	98425	Strand	-
Start	1	End	1716
Name	OJ000306_09.0407.C18.o1.ts	Method	TBLASTX:Soybean
Start	2	End	523
GI	none	Score	106
Exons	2..76, 3..74, 5..115, 15..83, 43..108, 76..99, 128..523, 131..469, 135..512		

Seq. No.	46389	Seq. ID	OJ000306_09.0407.C18
Gene No.	98425	Strand	-
Start	1	End	1716
Name	OJ000306_09.0407.C18.o1.tc	Method	TBLASTX:Cress
Start	156	End	556
GI	none	Score	366
Exons	156..470, 182..487, 364..474, 494..556, 498..548		

Seq. No.	46389	Seq. ID	OJ000306_09.0407.C18
Gene No.	98425	Strand	-
Start	1	End	1716
Name	OJ000306_09.0407.C18.o1.gp	Method	AAT/GAP
Start	326	End	1373
GI	none	Score	924
Exons	326..676, 1223..1373		

Seq. No.	46389	Seq. ID	OJ000306_09.0407.C18
Gene No.	98426	Strand	
Start	2081	End	2317
Name	OJ000306_09.0407.C18.o2.tc	Method	TBLASTX:Cress
Start	2081	End	2317
GI	none	Score	233
Exons	2081..2317, 2085..2309, 2222..2317		

Seq. No.	46389	Seq. ID	OJ000306_09.0407.C18
Gene No.	98426	Strand	
Start	2081	End	2317
Name	OJ000306_09.0407.C18.o2.ts	Method	TBLASTX:Soybean

Start	2081	End	2273
GI	none	Score	201
Exons	2081..2272, 2088..2273		

Seq. No.	46389	Seq. ID	OJ000306_09.0407.C18
Gene No.	98426	Strand	
Start	2081	End	2317
Name	OJ000306_09.0407.C18.o2.tm	Method	TBLASTX:Maize
Start	2081	End	2222
GI	none	Score	206
Exons	2081..2221, 2085..2222		

Seq. No.	46390	Seq. ID	OJ000306_09.0407.C19
Gene No.	98427	Strand	-
Start	241	End	1476
Name	OJ000306_09.0407.C19.o3.tm	Method	TBLASTX:Maize
Start	235	End	497
GI	none	Score	274
Exons	235..393, 242..496, 246..497		

Seq. No.	46390	Seq. ID	OJ000306_09.0407.C19
Gene No.	98427	Strand	-
Start	241	End	1476
Name	OJ000306_09.0407.C19.o1.gs	Method	GENSCAN
Start	241	End	1476
GI	none	Score	.56
Exons	241..911, 1023..1221, 1392..1476		

Seq. No.	46390	Seq. ID	OJ000306_09.0407.C19
Gene No.	98427	Strand	-
Start	241	End	1476
Name	OJ000306_09.0407.C19.o2.ts	Method	TBLASTX:Soybean
Start	296	End	755
GI	5058398	Score	97
Exons	296..565, 305..541, 360..575, 524..754, 615..755		
GI Descrip.	-		

Seq. No.	46390	Seq. ID	OJ000306_09.0407.C19
Gene No.	98427	Strand	-
Start	241	End	1476
Name	OJ000306_09.0407.C19.o1.tc	Method	TBLASTX:Cress
Start	377	End	899
GI	none	Score	404
Exons	377..895, 378..899, 565..897		

Seq. No.	46390	Seq. ID	OJ000306_09.0407.C19
Gene No.	98427	Strand	-
Start	241	End	1476
Name	OJ000306_09.0407.C19.o1.tm	Method	TBLASTX:Maize
Start	524	End	1216
GI	none	Score	86
Exons	524..601, 525..602, 526..603, 633..911, 635..913, 646..912, 650..913, 651..914, 1019..1213, 1020..1214, 1021..1212, 1022..1216		

Seq. No.	46390	Seq. ID	OJ000306_09.0407.C19
Gene No.	98427	Strand	-

Start	241	End	1476
Name	OJ000306_09.0407.C19.o1.tw	Method	TBLASTX:Wheat
Start	776	End	1435
GI	none	Score	209
Exons	776..913, 777..914, 1020..1223, 1022..1222, 1039..1224, 1391..1435, 1391..1435		

Seq. No.	46390	Seq. ID	OJ000306_09.0407.C19
Gene No.	98427	Strand	-
Start	241	End	1476
Name	OJ000306_09.0407.C19.o1.ts	Method	TBLASTX:Soybean
Start	804	End	1162
GI	none	Score	124
Exons	804..914, 806..913, 1020..1157, 1022..1162		

Seq. No.	46390	Seq. ID	OJ000306_09.0407.C19
Gene No.	98428	Strand	
Start	1725	End	2117
Name	OJ000306_09.0407.C19.o2.tm	Method	TBLASTX:Maize
Start	1725	End	2117
GI	none	Score	263
Exons	1725..1946, 1756..1950, 2028..2117, 2028..2117		

Seq. No.	46391	Seq. ID	OJ000306_09.0407.C20
Gene No.	98429	Strand	+
Start	1532	End	1754
Name	OJ000306_09.0407.C20.o1.np	Method	AAT/NAP
Start	1532	End	1754
GI	7495619	Score	47
Exons	1532..1754		
GI Descrip.	hypothetical protein C07G1.4 - Caenorhabditis elegans gi|1326381|gb|AAB00657.1| (U58751) coded for by C. elegans cDNA yk9h5.5; coded for by C. elegans cDNA yk9h5.3; coded for by C. elegans cDNA CEESH72F; coded for by C. elegans cDNA CEESB62F; coded for by C. elegans cDNA yk110g2.3; coded for by C. elegans cDNA yk110g2.5; weak sim>		

Seq. No.	46391	Seq. ID	OJ000306_09.0407.C20
Gene No.	98430	Strand	-
Start	108	End	1657
Name	OJ000306_09.0407.C20.o1.gs	Method	GENSCAN
Start	108	End	1657
GI	none	Score	.79
Exons	108..227, 333..422, 1370..1657		

Seq. No.	46391	Seq. ID	OJ000306_09.0407.C20
Gene No.	98431	Strand	-
Start	3009	End	3607
Name	OJ000306_09.0407.C20.o1.gp	Method	AAT/GAP
Start	3009	End	3607
GI	uC-osflcyp110b03a1	Score	990
Exons	3009..3458, 3542..3607		
GI Descrip.	'3878874/emb|CAA93672.1| 2.0e-12 (Z69793) R03A10.3 [Caenorhabditis elegans]'		

Seq. No.	46391	Seq. ID	OJ000306_09.0407.C20
Gene No.	98432	Strand	-

Start	3538	End	4897
Name	OJ000306_09.0407.C20.o1.tm	Method	TBLASTX:Maize
Start	95	End	407
GI	none	Score	189
Exons	95..238, 105..254, 106..228, 319..405, 331..405, 333..407		

Seq. No.	46391	Seq. ID	OJ000306_09.0407.C20
Gene No.	98432	Strand	-
Start	3538	End	4897
Name	OJ000306_09.0407.C20.o1.ts	Method	TBLASTX:Soybean
Start	95	End	420
GI	none	Score	155
Exons	95..238, 105..290, 106..228, 214..420, 300..419		

Seq. No.	46391	Seq. ID	OJ000306_09.0407.C20
Gene No.	98432	Strand	-
Start	3538	End	4897
Name	OJ000306_09.0407.C20.o2.tm	Method	TBLASTX:Maize
Start	3125	End	3571
GI	none	Score	47
Exons	3125..3169, 3127..3159, 3207..3260, 3213..3260, 3249..3320, 3269..3313, 3311..3397, 3339..3392, 3343..3396, 3385..3456, 3386..3457, 3395..3457, 3541..3570, 3545..3571		

Seq. No.	46391	Seq. ID	OJ000306_09.0407.C20
Gene No.	98432	Strand	-
Start	3538	End	4897
Name	OJ000306_09.0407.C20.o2.gs	Method	GENSCAN
Start	3538	End	4897
GI	none	Score	.7
Exons	3538..3639, 4218..4277, 4790..4897		

Seq. No.	46391	Seq. ID	OJ000306_09.0407.C20
Gene No.	98432	Strand	-
Start	3538	End	4897
Name	OJ000306_09.0407.C20.o2.np	Method	AAT/NAP
Start	4217	End	4897
GI	6907099	Score	192
Exons	4217..4277, 4790..4897		
GI Descrip.	(AP001129) Similar to Arabidopsis thaliana DNA chromosome 4, ESSA I contig fragment No. 6, membrane protein homolog. (Z97341) [Oryza sativa]		

Seq. No.	46392	Seq. ID	OJ000306_09.0407.C21
Gene No.	98433	Strand	+
Start	2788	End	8354
Name	OJ000306_09.0407.C21.o1.gs	Method	GENSCAN
Start	2788	End	8203
GI	none	Score	.45
Exons	2788..3213, 6848..6970, 7333..7406, 7500..7554, 7857..7907, 8155..8203		

Seq. No.	46392	Seq. ID	OJ000306_09.0407.C21
Gene No.	98433	Strand	+
Start	2788	End	8354
Name	OJ000306_09.0407.C21.o2.np	Method	AAT/NAP
Start	3138	End	4563

GI	5852084	Score	78
Exons	3138..3161, 4451..4563		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	46392	Seq. ID	OJ000306_09.0407.C21
Gene No.	98433	Strand	+
Start	2788	End	8354
Name	OJ000306_09.0407.C21.o2.gp	Method	AAT/GAP
Start	5652	End	7883
GI	uC-osflcyp055a02b1	Score	836
Exons	5652..5747, 6848..7063, 7333..7406, 7500..7554, 7857..7883		
GI Descrip.	'3878874/emb|CAA93672.1| 2.0e-12 (Z69793) R03A10.3 [Caenorhabditis elegans]'		

Seq. No.	46392	Seq. ID	OJ000306_09.0407.C21
Gene No.	98433	Strand	+
Start	2788	End	8354
Name	OJ000306_09.0407.C21.o3.np	Method	AAT/NAP
Start	6920	End	8354
GI	6513925	Score	294
Exons	6920..7063, 7333..7406, 7500..7554, 7857..7931, 8004..8077, 8155..8354		
GI Descrip.	(AC011664) unknown protein [Arabidopsis thaliana]		

Seq. No.	46392	Seq. ID	OJ000306_09.0407.C21
Gene No.	98434	Strand	-
Start	90	End	3008
Name	OJ000306_09.0407.C21.o1.np	Method	AAT/NAP
Start	90	End	3008
GI	6682239	Score	392
Exons	90..227, 824..881, 2725..2819, 2924..3008		
GI Descrip.	(AC016661) putative MYB-related protein [Arabidopsis thaliana]		

Seq. No.	46392	Seq. ID	OJ000306_09.0407.C21
Gene No.	98434	Strand	-
Start	90	End	3008
Name	OJ000306_09.0407.C21.o1.gp	Method	AAT/GAP
Start	104	End	889
GI	uC-osflcyp110b03b1	Score	325
Exons	104..227, 824..889		
GI Descrip.	'2191140 3.0e-19 (AF007269) contains weak similarity to MYB-related proteins [Arabidopsis thaliana]'		

Seq. No.	46392	Seq. ID	OJ000306_09.0407.C21
Gene No.	98435	Strand	
Start	6873	End	8247
Name	OJ000306_09.0407.C21.o1.tm	Method	TBLASTX:Maize
Start	6873	End	8247
GI	none	Score	106
Exons	6873..6968, 7014..7061, 7332..7406, 7333..7407, 7489..7554, 7494..7550, 7854..7934, 7856..7933, 7995..8078, 8000..8080, 8003..8080, 8152..8247, 8153..8227		

Seq. No.	46392	Seq. ID	OJ000306_09.0407.C21
Gene No.	98435	Strand	
Start	6873	End	8247
Name	OJ000306_09.0407.C21.o1.tc	Method	TBLASTX:Cress

Start	7489	End	8227
GI	none	Score	78
Exons	7489..7554, 7854..7934, 7856..7933, 7995..8072, 8003..8080, 8155..8202, 8159..8227		

Seq. No.	46392	Seq. ID	OJ000306_09.0407.C21
Gene No.	98435	Strand	
Start	6873	End	8247
Name	OJ000306_09.0407.C21.o1.tw	Method	TBLASTX:Wheat
Start	7854	End	8227
GI	none	Score	90
Exons	7854..7934, 7856..7933, 8001..8078, 8001..8075, 8003..8080, 8152..8199, 8153..8227		

Seq. No.	46393	Seq. ID	OJ000306_09.0407.C22
Gene No.	98436	Strand	+
Start	290	End	1089
Name	OJ000306_09.0407.C22.o1.gs	Method	GENSCAN
Start	290	End	1089
GI	none	Score	.8
Exons	290..359, 557..647, 745..1089		

Seq. No.	46393	Seq. ID	OJ000306_09.0407.C22
Gene No.	98437	Strand	-
Start	1	End	1137
Name	OJ000306_09.0407.C22.o1.np	Method	AAT/NAP
Start	1	End	1137
GI	6630700	Score	352
Exons	1..34, 800..1032, 1058..1137		
GI Descrip.	(AP000969) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa] gi|6721537|dbj|BAA89567.1| (AP001073) Similar to hypothetical protein f678 - Escherichia coli. (A65193) [Oryza sativa]		

Seq. No.	46394	Seq. ID	OJ000306_09.0407.C23
Gene No.	98438	Strand	+
Start	1500	End	5188
Name	OJ000306_09.0407.C23.o2.np	Method	AAT/NAP
Start	1500	End	5188
GI	7021017	Score	394
Exons	1500..1642, 2063..2161, 2268..2326, 2684..2957, 3742..3839, 3932..4034, 4121..4166, 4367..4405, 4500..4660, 4726..4843, 5050..5188		
GI Descrip.	(AK000740) unnamed protein product [Homo sapiens]		

Seq. No.	46394	Seq. ID	OJ000306_09.0407.C23
Gene No.	98438	Strand	+
Start	1500	End	5188
Name	OJ000306_09.0407.C23.o1.gs	Method	GENSCAN
Start	1531	End	5111
GI	none	Score	.71
Exons	1531..1642, 2057..2161, 2268..2326, 3142..3328, 3728..3839, 4081..4166, 4500..4656, 4728..4830, 5034..5111		

Seq. No.	46394	Seq. ID	OJ000306_09.0407.C23
Gene No.	98438	Strand	+
Start	1500	End	5188

Name	OJ000306_09.0407.C23.o1.gp	Method	AAT/GAP
Start	3932	End	4575
GI	3766624	Score	468
Exons	3932..4034, 4121..4166, 4367..4405, 4500..4575		
GI Descrip.	3878874/emb|CAA93672.1| 2.0e-12 (Z69793) R03A10.3 [Caenorhabditis elegans]		

Seq. No.	46394	Seq. ID	OJ000306_09.0407.C23
Gene No.	98439	Strand	-
Start	797	End	2835
Name	OJ000306_09.0407.C23.o1.np	Method	AAT/NAP
Start	797	End	2102
GI	6815099	Score	79
Exons	797..908, 2074..2102		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	46394	Seq. ID	OJ000306_09.0407.C23
Gene No.	98439	Strand	-
Start	797	End	2835
Name	OJ000306_09.0407.C23.o1.ts	Method	TBLASTX:Soybean
Start	1510	End	2835
GI	none	Score	138
Exons	1510..1641, 2065..2160, 2073..2177, 2680..2835, 2684..2833, 2692..2835		

Seq. No.	46394	Seq. ID	OJ000306_09.0407.C23
Gene No.	98440	Strand	
Start	3936	End	4627
Name	OJ000306_09.0407.C23.o1.tc	Method	TBLASTX:Cress
Start	3936	End	4168
GI	none	Score	151
Exons	3936..4037, 3938..4036, 3940..4038, 4115..4168, 4123..4167		

Seq. No.	46394	Seq. ID	OJ000306_09.0407.C23
Gene No.	98440	Strand	
Start	3936	End	4627
Name	OJ000306_09.0407.C23.o2.ts	Method	TBLASTX:Soybean
Start	3962	End	4627
GI	none	Score	103
Exons	3962..4033, 3963..4040, 4342..4407, 4365..4406, 4475..4627, 4480..4623		

Seq. No.	46395	Seq. ID	OJ000306_09.0407.C25
Gene No.	98441	Strand	-
Start	450	End	1030
Name	OJ000306_09.0407.C25.o1.gs	Method	GENSCAN
Start	450	End	1030
GI	none	Score	.78
Exons	450..521, 641..766, 886..1030		

Seq. No.	46396	Seq. ID	OJ000306_09.0407.C31
Gene No.	98442	Strand	+
Start	693	End	1001
Name	OJ000306_09.0407.C31.o1.gs	Method	GENSCAN
Start	693	End	1001
GI	none	Score	.93
Exons	693..1001		

Seq. No.	46397	Seq. ID	OJ000306_09.0407.C32
Gene No.	98443	Strand	
Start	20	End	569
Name	OJ000306_09.0407.C32.o2.tw	Method	TBLASTX:Wheat
Start	20	End	569
GI	none	Score	220
Exons	20..349, 21..392, 393..425, 471..569		

Seq. No.	46397	Seq. ID	OJ000306_09.0407.C32
Gene No.	98443	Strand	
Start	20	End	569
Name	OJ000306_09.0407.C32.o2.tm	Method	TBLASTX:Maize
Start	189	End	437
GI	none	Score	224
Exons	189..437, 195..359, 263..436		

Seq. No.	46397	Seq. ID	OJ000306_09.0407.C32
Gene No.	98444	Strand	
Start	471	End	1034
Name	OJ000306_09.0407.C32.o1.tm	Method	TBLASTX:Maize
Start	471	End	926
GI	none	Score	326
Exons	471..839, 474..728, 479..832, 870..926		

Seq. No.	46397	Seq. ID	OJ000306_09.0407.C32
Gene No.	98444	Strand	
Start	471	End	1034
Name	OJ000306_09.0407.C32.o1.tw	Method	TBLASTX:Wheat
Start	669	End	1034
GI	none	Score	221
Exons	669..944, 782..919, 897..926, 925..1032, 925..1032, 930..1034		

Seq. No.	46398	Seq. ID	OJ000306_09.0407.C33
Gene No.	98445	Strand	+
Start	963	End	1123
Name	OJ000306_09.0407.C33.o1.gs	Method	GENSCAN
Start	963	End	1123
GI	none	Score	.85
Exons	963..1123		

Seq. No.	46398	Seq. ID	OJ000306_09.0407.C33
Gene No.	98446	Strand	+
Start	4754	End	7939
Name	OJ000306_09.0407.C33.o1.np	Method	AAT/NAP
Start	4721	End	7936
GI	6522592	Score	1718
Exons	4721..6409, 6485..7683, 7726..7936		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	46398	Seq. ID	OJ000306_09.0407.C33
Gene No.	98446	Strand	+
Start	4754	End	7939
Name	OJ000306_09.0407.C33.o3.gs	Method	GENSCAN
Start	4754	End	7939
GI	none	Score	.54

Exons	4754..7939		
Seq. No.	46398	Seq. ID	OJ000306_09.0407.C33
Gene No.	98447	Strand	+
Start	9705	End	13929
Name	OJ000306_09.0407.C33.o1.gp	Method	AAT/GAP
Start	9705	End	13929
GI	none	Score	576
Exons	9705..9933, 13786..13929		
Seq. No.	46398	Seq. ID	OJ000306_09.0407.C33
Gene No.	98448	Strand	-
Start	1310	End	3631
Name	OJ000306_09.0407.C33.o2.gs	Method	GENSCAN
Start	1310	End	3631
GI	none	Score	.73
Exons	1310..1427, 1615..1703, 1900..2966, 3000..3120, 3128..3631		
Seq. No.	46398	Seq. ID	OJ000306_09.0407.C33
Gene No.	98449	Strand	
Start	4922	End	7921
Name	OJ000306_09.0407.C33.o1.tc	Method	TBLASTX:Cress
Start	4922	End	7642
GI	none	Score	38
Exons	4922..4948, 4961..5080, 4970..5080, 4978..5154, 4988..5512, 5030..5512, 5126..5173, 5222..5296, 5246..5512, 5249..5533, 5249..5440, 5272..5439, 5330..5524, 5531..5671, 5537..5677, 5540..5686, 5540..5671, 5549..5659, 5555..5713, 5753..5842, 5774..5845, 5825..6187, 5825..5980, 5849..6187, 5849..5980, 5852..5980, 5858..6187, 5861..6187, 5887..6114, 5930..6187, 6031..6132, 6032..6187, 6251..6622, 6251..6418, 6251..6622, 6251..6622, 6251..6550, 6284..6628, 6395..6622, 6467..6670, 6512..6622, 7037..7141, 7301..7474, 7354..7461, 7511..7642, 7516..7608		
Seq. No.	46398	Seq. ID	OJ000306_09.0407.C33
Gene No.	98449	Strand	
Start	4922	End	7921
Name	OJ000306_09.0407.C33.o2.tm	Method	TBLASTX:Maize
Start	4949	End	6625
GI	none	Score	72
Exons	4949..5080, 4961..5080, 4970..5080, 4988..5491, 5030..5512, 5540..5686, 5690..5722, 5753..5842, 5759..5845, 5797..5832, 5825..6094, 5825..6115, 5852..6115, 5930..6187, 5959..6201, 6031..6195, 6031..6147, 6032..6115, 6251..6601, 6251..6622, 6251..6625, 6251..6622, 6284..6622, 6322..6594		
Seq. No.	46398	Seq. ID	OJ000306_09.0407.C33
Gene No.	98449	Strand	
Start	4922	End	7921
Name	OJ000306_09.0407.C33.o2.ts	Method	TBLASTX:Soybean
Start	4955	End	6670
GI	none	Score	92
Exons	4955..5161, 4961..5293, 5129..5512, 5129..5524, 5222..5524, 5249..5518, 5540..5686, 5540..5674, 5756..5842, 5759..5845, 5825..6184, 5825..6187, 5855..6187, 5861..6187, 5941..6198, 6029..6187, 6067..6195, 6068..6187, 6251..6622, 6251..6622,		

6251..6625, 6251..6622, 6287..6622, 6322..6552, 6353..6622, 6527..6670

Seq. No.	46398	Seq. ID	OJ000306_09.0407.C33
Gene No.	98449	Strand	
Start	4922	End	7921
Name	OJ000306_09.0407.C33.o2.tw	Method	TBLASTX:Wheat
Start	5453	End	6622
GI	none	Score	129
Exons	5453..5677, 5479..5706, 5591..5677, 5738..6097, 5812..6078, 6503..6622		

Seq. No.	46398	Seq. ID	OJ000306_09.0407.C33
Gene No.	98449	Strand	
Start	4922	End	7921
Name	OJ000306_09.0407.C33.o1.ts	Method	TBLASTX:Soybean
Start	6905	End	7726
GI	none	Score	91
Exons	6905..6997, 6949..6993, 7031..7261, 7069..7224, 7283..7525, 7363..7449, 7499..7726, 7516..7620		

Seq. No.	46398	Seq. ID	OJ000306_09.0407.C33
Gene No.	98449	Strand	
Start	4922	End	7921
Name	OJ000306_09.0407.C33.o1.tm	Method	TBLASTX:Maize
Start	7064	End	7534
GI	none	Score	224
Exons	7064..7243, 7064..7237, 7069..7242, 7286..7471, 7360..7470, 7490..7534		

Seq. No.	46398	Seq. ID	OJ000306_09.0407.C33
Gene No.	98449	Strand	
Start	4922	End	7921
Name	OJ000306_09.0407.C33.o1.tw	Method	TBLASTX:Wheat
Start	7217	End	7630
GI	none	Score	35
Exons	7217..7237, 7301..7474, 7345..7458, 7490..7630, 7501..7620		

Seq. No.	46398	Seq. ID	OJ000306_09.0407.C33
Gene No.	98449	Strand	
Start	4922	End	7921
Name	OJ000306_09.0407.C33.o3.tm	Method	TBLASTX:Maize
Start	7537	End	7921
GI	none	Score	186
Exons	7537..7689, 7538..7726, 7799..7921		

Seq. No.	46399	Seq. ID	OJ000306_09.0407.C34
Gene No.	98450	Strand	-
Start	1285	End	1482
Name	OJ000306_09.0407.C34.o1.gs	Method	GENSCAN
Start	1285	End	1482
GI	none	Score	.56
Exons	1285..1482		

Seq. No.	46400	Seq. ID	OJ000306_09.0407.C36
Gene No.	98451	Strand	+
Start	3	End	3519

Name	OJ000306_09.0407.C36.o1.gs	Method	GENSCAN
Start	3	End	3480
GI	none	Score	.6
Exons	3..184, 848..923, 1061..1225, 1387..1478, 2149..2210, 2241..2365, 3307..3480		

Seq. No.	46400	Seq. ID	OJ000306_09.0407.C36
Gene No.	98451	Strand	+
Start	3	End	3519
Name	OJ000306_09.0407.C36.o1.np	Method	AAT/NAP
Start	3	End	2017
GI	5019464	Score	288
Exons	3..189, 995..1225, 1387..1428, 1520..1630, 1870..2017		
GI Descrip.	(AJ132219) putative MADS domain transcription factor GGM13 [Gnetum gnemon]		

Seq. No.	46400	Seq. ID	OJ000306_09.0407.C36
Gene No.	98451	Strand	+
Start	3	End	3519
Name	OJ000306_09.0407.C36.o1.gp	Method	AAT/GAP
Start	1852	End	2467
GI	none	Score	904
Exons	1852..2210, 2349..2467		

Seq. No.	46400	Seq. ID	OJ000306_09.0407.C36
Gene No.	98451	Strand	+
Start	3	End	3519
Name	OJ000306_09.0407.C36.o3.gp	Method	AAT/GAP
Start	3335	End	3519
GI	1037042	Score	248
Exons	3335..3519		

Seq. No.	46400	Seq. ID	OJ000306_09.0407.C36
Gene No.	98452	Strand	+
Start	4323	End	6987
Name	OJ000306_09.0407.C36.o2.gs	Method	GENSCAN
Start	4323	End	6987
GI	none	Score	.4
Exons	4323..4486, 5452..5540, 5746..5864, 6949..6987		

Seq. No.	46400	Seq. ID	OJ000306_09.0407.C36
Gene No.	98453	Strand	-
Start	2705	End	3269
Name	OJ000306_09.0407.C36.o1.tc	Method	TBLASTX:Cress
Start	2	End	173
GI	none	Score	208
Exons	2..163, 3..173		

Seq. No.	46400	Seq. ID	OJ000306_09.0407.C36
Gene No.	98453	Strand	-
Start	2705	End	3269
Name	OJ000306_09.0407.C36.o1.tw	Method	TBLASTX:Wheat
Start	2	End	181
GI	none	Score	223
Exons	2..181, 3..176		

Seq. No.	46400	Seq. ID	OJ000306_09.0407.C36

Gene No.	98453	Strand	-
Start	2705	End	3269
Name	OJ000306_09.0407.C36.o1.ts	Method	TBLASTX:Soybean
Start	2	End	178
GI	none	Score	210
Exons	2..178, 3..176		

Seq. No.	46400	Seq. ID	OJ000306_09.0407.C36
Gene No.	98453	Strand	-
Start	2705	End	3269
Name	OJ000306_09.0407.C36.o1.tm	Method	TBLASTX:Maize
Start	2	End	181
GI	none	Score	229
Exons	2..181, 3..176		

Seq. No.	46400	Seq. ID	OJ000306_09.0407.C36
Gene No.	98453	Strand	-
Start	2705	End	3269
Name	OJ000306_09.0407.C36.o2.gp	Method	AAT/GAP
Start	2705	End	3269
GI	uC-osflM202098g11b1	Score	656
Exons	2705..3132, 3239..3269		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	46401	Seq. ID	OJ000306_09.0407.C37
Gene No.	98454	Strand	-
Start	546	End	703
Name	OJ000306_09.0407.C37.o1.gs	Method	GENSCAN
Start	546	End	703
GI	none	Score	.47
Exons	546..703		

Seq. No.	46402	Seq. ID	OJ000306_09.0407.C38
Gene No.	98455	Strand	-
Start	442	End	598
Name	OJ000306_09.0407.C38.o1.gs	Method	GENSCAN
Start	442	End	598
GI	none	Score	.46
Exons	442..598		

Seq. No.	46403	Seq. ID	OJ000116_38.0316.C2
Gene No.	98456	Strand	+
Start	9244	End	14117
Name	OJ000116_38.0316.C2.o5.gs	Method	GENSCAN
Start	9244	End	13292
GI	none	Score	.92
Exons	9244..9315, 9519..9698, 11810..11932, 12145..12544, 12630..12743, 13099..13292		

Seq. No.	46403	Seq. ID	OJ000116_38.0316.C2
Gene No.	98456	Strand	+
Start	9244	End	14117
Name	OJ000116_38.0316.C2.o1.np	Method	AAT/NAP
Start	10701	End	14117
GI	7485208	Score	95
Exons	10701..10733, 12216..12335, 12375..12544, 14052..14117		

GI Descrip. hypothetical protein - Arabidopsis thaliana gi|2245022|emb|CAB10442.1| (Z97341) hypothetical protein [Arabidopsis thaliana] gi|7268417|emb|CAB78709.1| (AL161544) hypothetical protein [Arabidopsis thaliana]

Seq. No.	46403	Seq. ID	OJ000116_38.0316.C2
Gene No.	98457	Strand	-
Start	602	End	782
Name	OJ000116_38.0316.C2.o1.gs	Method	GENSCAN
Start	602	End	782
GI	none	Score	.79
Exons	602..655, 681..782		

Seq. No.	46403	Seq. ID	OJ000116_38.0316.C2
Gene No.	98458	Strand	-
Start	1314	End	1681
Name	OJ000116_38.0316.C2.o1.gp	Method	AAT/GAP
Start	1314	End	1681
GI	4714691	Score	682
Exons	1314..1681		

Seq. No.	46403	Seq. ID	OJ000116_38.0316.C2
Gene No.	98459	Strand	-
Start	1796	End	2837
Name	OJ000116_38.0316.C2.o2.gs	Method	GENSCAN
Start	1796	End	2668
GI	none	Score	.47
Exons	1796..2668		

Seq. No.	46403	Seq. ID	OJ000116_38.0316.C2
Gene No.	98459	Strand	-
Start	1796	End	2837
Name	OJ000116_38.0316.C2.o2.gp	Method	AAT/GAP
Start	2482	End	2837
GI	none	Score	634
Exons	2482..2837		

Seq. No.	46403	Seq. ID	OJ000116_38.0316.C2
Gene No.	98460	Strand	-
Start	3998	End	5057
Name	OJ000116_38.0316.C2.o3.gs	Method	GENSCAN
Start	3998	End	5057
GI	none	Score	.96
Exons	3998..4225, 4818..5057		

Seq. No.	46403	Seq. ID	OJ000116_38.0316.C2
Gene No.	98461	Strand	-
Start	6056	End	7872
Name	OJ000116_38.0316.C2.o4.gs	Method	GENSCAN
Start	6056	End	7872
GI	none	Score	.76
Exons	6056..6510, 7276..7403, 7727..7872		

Seq. No.	46403	Seq. ID	OJ000116_38.0316.C2
Gene No.	98462	Strand	-
Start	14088	End	14633
Name	OJ000116_38.0316.C2.o6.gs	Method	GENSCAN

Start	14088	End	14633
GI	none	Score	1
Exons	14088..14633		

Seq. No.	46403	Seq. ID	OJ000116_38.0316.C2
Gene No.	98463	Strand	-
Start	17690	End	18470
Name	OJ000116_38.0316.C2.o3.gp	Method	AAT/GAP
Start	17303	End	17521
GI	427145	Score	398
Exons	17303..17521		

Seq. No.	46403	Seq. ID	OJ000116_38.0316.C2
Gene No.	98463	Strand	-
Start	17690	End	18470
Name	OJ000116_38.0316.C2.o7.gs	Method	GENSCAN
Start	17690	End	18470
GI	none	Score	.89
Exons	17690..18101, 18259..18470		

Seq. No.	46403	Seq. ID	OJ000116_38.0316.C2
Gene No.	98464	Strand	-
Start	18420	End	18582
Name	OJ000116_38.0316.C2.o3.tm	Method	TBLASTX:Maize
Start	2411	End	2675
GI	none	Score	78
Exons	2411..2482, 2412..2468, 2420..2491, 2454..2492, 2585..2632, 2610..2633, 2624..2674, 2625..2675		

Seq. No.	46403	Seq. ID	OJ000116_38.0316.C2
Gene No.	98464	Strand	-
Start	18420	End	18582
Name	OJ000116_38.0316.C2.o1.tc	Method	TBLASTX:Cress
Start	14091	End	14499
GI	none	Score	116
Exons	14091..14186, 14092..14184, 14151..14474, 14161..14499		

Seq. No.	46403	Seq. ID	OJ000116_38.0316.C2
Gene No.	98464	Strand	-
Start	18420	End	18582
Name	OJ000116_38.0316.C2.o1.ts	Method	TBLASTX:Soybean
Start	14239	End	14508
GI	none	Score	182
Exons	14239..14508, 14241..14507		

Seq. No.	46403	Seq. ID	OJ000116_38.0316.C2
Gene No.	98464	Strand	-
Start	18420	End	18582
Name	OJ000116_38.0316.C2.o1.tm	Method	TBLASTX:Maize
Start	17314	End	17803
GI	none	Score	68
Exons	17314..17346, 17315..17380, 17331..17387, 17338..17388, 17374..17538, 17388..17534, 17390..17572, 17419..17547, 17600..17776, 17604..17744, 17605..17757, 17606..17803		

Seq. No.	46403	Seq. ID	OJ000116_38.0316.C2
Gene No.	98464	Strand	-

Start	18420	End	18582
Name	OJ000116_38.0316.C2.o2.tm	Method	TBLASTX:Maize
Start	17917	End	18461
GI	none	Score	125
Exons	17917..18102, 17924..18103, 17928..18110, 17932..18105, 18258..18413, 18258..18461		

Seq. No.	46403	Seq. ID	OJ000116_38.0316.C2
Gene No.	98464	Strand	-
Start	18420	End	18582
Name	OJ000116_38.0316.C2.o4.gp	Method	AAT/GAP
Start	18420	End	18582
GI	none	Score	314
Exons	18420..18582		

Seq. No.	46404	Seq. ID	OJ000116_38.0316.C3
Gene No.	98465	Strand	-
Start	412	End	962
Name	OJ000116_38.0316.C3.o1.tm	Method	TBLASTX:Maize
Start	409	End	581
GI	none	Score	178
Exons	409..573, 424..579, 426..581		

Seq. No.	46404	Seq. ID	OJ000116_38.0316.C3
Gene No.	98465	Strand	-
Start	412	End	962
Name	OJ000116_38.0316.C3.o1.gp	Method	AAT/GAP
Start	412	End	584
GI	none	Score	245
Exons	412..584		

Seq. No.	46404	Seq. ID	OJ000116_38.0316.C3
Gene No.	98465	Strand	-
Start	412	End	962
Name	OJ000116_38.0316.C3.o1.gs	Method	GENSCAN
Start	426	End	962
GI	none	Score	.83
Exons	426..962		

Seq. No.	46404	Seq. ID	OJ000116_38.0316.C3
Gene No.	98465	Strand	-
Start	412	End	962
Name	OJ000116_38.0316.C3.o1.ts	Method	TBLASTX:Soybean
Start	459	End	854
GI	none	Score	130
Exons	459..683, 469..663, 501..680, 687..854		

Seq. No.	46405	Seq. ID	OJ000116_38.0316.C5
Gene No.	98466	Strand	+
Start	771	End	1142
Name	OJ000116_38.0316.C5.o1.gs	Method	GENSCAN
Start	771	End	1142
GI	none	Score	.92
Exons	771..806, 1002..1142		

Seq. No.	46406	Seq. ID	OJ000116_38.0316.C7
Gene No.	98467	Strand	+

Start	429	End	603
Name	OJ000116_38.0316.C7.o1.gs	Method	GENSCAN
Start	429	End	603
GI	none	Score	.62
Exons	429..603		

Seq. No.	46407	Seq. ID	OJ000116_38.0316.C8
Gene No.	98468	Strand	+
Start	489	End	771
Name	OJ000116_38.0316.C8.o1.np	Method	AAT/NAP
Start	489	End	771
GI	2498930	Score	113
Exons	489..552, 720..771		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	46407	Seq. ID	OJ000116_38.0316.C8
Gene No.	98468	Strand	+
Start	489	End	771
Name	OJ000116_38.0316.C8.o1.gs	Method	GENSCAN
Start	493	End	764
GI	none	Score	.91
Exons	493..552, 720..764		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98469	Strand	+
Start	329	End	7309
Name	OJ000116_38.0316.C9.o1.gs	Method	GENSCAN
Start	329	End	7309
GI	none	Score	.42
Exons	329..382, 2155..2339, 2434..2716, 2953..3070, 7167..7309		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98470	Strand	+
Start	9362	End	13398
Name	OJ000116_38.0316.C9.o2.gs	Method	GENSCAN
Start	9362	End	13398
GI	none	Score	.66
Exons	9362..9506, 9612..9744, 10151..10250, 10283..10411, 10444..10542, 10596..10646, 13294..13398		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98471	Strand	+
Start	13998	End	18908
Name	OJ000116_38.0316.C9.o3.gs	Method	GENSCAN
Start	13998	End	18908
GI	none	Score	.77
Exons	13998..14035, 16931..17216, 17301..17361, 17603..17696, 17765..17930, 18047..18070, 18780..18908		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98472	Strand	+
Start	62498	End	62555
Name	OJ000116_38.0316.C9.o7.gp	Method	AAT/GAP
Start	62498	End	62555
GI	16490_1.R1084	Score	90
Exons	62498..62555		

GI Descrip.	'4584525/emb|CAB40756.1| 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		
Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98473	Strand	+
Start	69990	End	73224
Name	OJ000116_38.0316.C9.o12.gs	Method	GENSCAN
Start	69990	End	72866
GI	none	Score	.86
Exons	69990..70146, 70514..70597, 70674..70891, 71357..71913, 71987..72866		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98473	Strand	+
Start	69990	End	73224
Name	OJ000116_38.0316.C9.o7.np	Method	AAT/NAP
Start	70029	End	72839
GI	7488004	Score	1485
Exons	70029..70146, 70713..70891, 71357..71913, 71987..72839		
GI Descrip.	peptide transport protein homolog F17L22.140 - Arabidopsis thaliana gi|4455276|emb|CAB36812.1| (AL035527) peptide transporter-like protein [Arabidopsis thaliana] gi|7268965|emb|CAB81275.1| (AL161555) peptide transporter-like protein [Arabidopsis thaliana]		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98473	Strand	+
Start	69990	End	73224
Name	OJ000116_38.0316.C9.o9.gp	Method	AAT/GAP
Start	72680	End	73224
GI	18443_1.R1084	Score	910
Exons	72680..73224		
GI Descrip.	'4455276/emb|CAB36812.1| 3.0e-26 (AL035527) peptide transporter-like protein [Arabidopsis thaliana]'		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98474	Strand	+
Start	74474	End	74624
Name	OJ000116_38.0316.C9.o8.np	Method	AAT/NAP
Start	74474	End	74624
GI	6815099	Score	108
Exons	74474..74624		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98475	Strand	-
Start	19089	End	30202
Name	OJ000116_38.0316.C9.o1.gp	Method	AAT/GAP
Start	19089	End	20987
GI	11461_1.R1084	Score	1135
Exons	19089..19307, 19555..19588, 19670..19826, 19928..20050, 20769..20826, 20941..20987		
GI Descrip.	'2245141/emb|CAB10562.1| 1.0e-17 (Z97344) acetylornithine deacetylase [Arabidopsis thaliana]'		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98475	Strand	-

Start	19089	End	30202
Name	OJ000116_38.0316.C9.o4.gs	Method	GENSCAN
Start	19198	End	30052
GI	none	Score	.78
Exons	19198..19307, 19555..19588, 19670..19826, 19928..20072, 20941..21079, 21578..21686, 21796..22049, 22566..22937, 23482..23611, 25713..25786, 25868..25912, 26228..26342, 26605..26747, 26824..26914, 27011..27127, 27272..27410, 27514..27562, 27883..27972, 28095..28216, 28285..28375, 29047..29224, 29970..30052		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98475	Strand	-
Start	19089	End	30202
Name	OJ000116_38.0316.C9.o1.np	Method	AAT/NAP
Start	19204	End	22784
GI	5738376	Score	1317
Exons	19204..19307, 19555..19588, 19670..19826, 19928..20050, 20769..20826, 20941..21079, 21578..21686, 21796..22049, 22566..22784		
GI Descrip.	(AL021889) N-acetylornithine deacetylase-like protein, fragment [Arabidopsis thaliana]		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98475	Strand	-
Start	19089	End	30202
Name	OJ000116_38.0316.C9.o2.gp	Method	AAT/GAP
Start	22639	End	22988
GI	5607379	Score	683
Exons	22639..22988		
GI Descrip.	2245141/emb|CAB10562.1| 1.0e-17 (Z97344) acetylornithine deacetylase [Arabidopsis thaliana]		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98475	Strand	-
Start	19089	End	30202
Name	OJ000116_38.0316.C9.o3.gp	Method	AAT/GAP
Start	25341	End	26650
GI	22570_1.R1084	Score	1185
Exons	25341..25786, 25868..25912, 26228..26342, 26605..26650		
GI Descrip.	'2245141/emb|CAB10562.1| 1.0e-17 (Z97344) acetylornithine deacetylase [Arabidopsis thaliana]'		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98475	Strand	-
Start	19089	End	30202
Name	OJ000116_38.0316.C9.o2.np	Method	AAT/NAP
Start	25709	End	30052
GI	2271477	Score	1806
Exons	25709..25786, 25868..25912, 26228..26342, 26605..26747, 26824..26914, 27011..27127, 27272..27410, 27514..27562, 27883..27972, 28095..28189, 28285..28375, 29047..29224, 29970..30052		
GI Descrip.	(AF009631) AP47/50p [Arabidopsis thaliana]		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98475	Strand	-

Start	19089	End	30202
Name	OJ000116_38.0316.C9.o4.gp	Method	AAT/GAP
Start	26855	End	30202
GI	34884_1.R1084	Score	1878
Exons	26855..26914, 27011..27127, 27272..27410, 27514..27562, 27883..27972, 28095..28189, 28285..28375, 29047..29223, 29970..30202		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98476	Strand	-
Start	32493	End	33770
Name	OJ000116_38.0316.C9.o5.gs	Method	GENSCAN
Start	32493	End	33770
GI	none	Score	.52
Exons	32493..33770		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98476	Strand	-
Start	32493	End	33770
Name	OJ000116_38.0316.C9.o3.np	Method	AAT/NAP
Start	32502	End	33770
GI	4510376	Score	413
Exons	32502..33474, 33505..33770		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98477	Strand	-
Start	36244	End	41974
Name	OJ000116_38.0316.C9.o5.gp	Method	AAT/GAP
Start	35694	End	37333
GI	20235_1.R1084	Score	1474
Exons	35694..36368, 37224..37333		
GI Descrip.	'3927836 2.0e-21 (AC005727) unknown protein [Arabidopsis thaliana]'		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98477	Strand	-
Start	36244	End	41974
Name	OJ000116_38.0316.C9.o6.gs	Method	GENSCAN
Start	36244	End	41974
GI	none	Score	.71
Exons	36244..36368, 37224..37488, 37726..37839, 38167..39444, 39607..39796, 41961..41974		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98477	Strand	-
Start	36244	End	41974
Name	OJ000116_38.0316.C9.o4.np	Method	AAT/NAP
Start	36256	End	41498
GI	7406436	Score	913
Exons	36256..36368, 37224..37488, 37726..37839, 38167..38910, 41404..41498		
GI Descrip.	(AL162874) putative protein [Arabidopsis thaliana]		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9

Gene No.	98478	Strand	-
Start	45554	End	49725
Name	OJ000116_38.0316.C9.o5.np	Method	AAT/NAP
Start	45554	End	46979
GI	5852084	Score	95
Exons	45554..45637, 46959..46979		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98478	Strand	-
Start	45554	End	49725
Name	OJ000116_38.0316.C9.o6.np	Method	AAT/NAP
Start	46508	End	49725
GI	3834314	Score	53
Exons	46508..46607, 47679..47845, 49706..49725		
GI Descrip.	(AC005679) Similar to gene pi010 glycosyltransferase gi|2257490 from S. pombe clone 1750 gb|AB004534. ESTs gb|T46079 and gb|AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98479	Strand	-
Start	50745	End	56442
Name	OJ000116_38.0316.C9.o6.gp	Method	AAT/GAP
Start	50516	End	52280
GI	31893_1.R1084	Score	1262
Exons	50516..51009, 52116..52280		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98479	Strand	-
Start	50745	End	56442
Name	OJ000116_38.0316.C9.o8.gs	Method	GENSCAN
Start	50745	End	56442
GI	none	Score	.8
Exons	50745..50983, 52116..52144, 53733..54016, 55893..56042, 56404..56442		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98480	Strand	-
Start	58392	End	61712
Name	OJ000116_38.0316.C9.o9.gs	Method	GENSCAN
Start	58392	End	61712
GI	none	Score	.62
Exons	58392..58640, 59281..59363, 59650..59703, 60190..60360, 60365..60655, 60774..60895, 61020..61048, 61286..61343, 61645..61712		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98481	Strand	-
Start	62924	End	65820
Name	OJ000116_38.0316.C9.o10.gs	Method	GENSCAN
Start	62924	End	65820
GI	none	Score	.44
Exons	62924..63250, 65752..65820		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9

Gene No.	98482	Strand	-
Start	66542	End	68094
Name	OJ000116_38.0316.C9.o11.gs	Method	GENSCAN
Start	66542	End	68094
GI	none	Score	.4
Exons	66542..66667, 66672..66771, 66816..66919, 67732..68094		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98483	Strand	-
Start	72253	End	72666
Name	OJ000116_38.0316.C9.o8.gp	Method	AAT/GAP
Start	72253	End	72666
GI	4714603	Score	790
Exons	72253..72666		
GI Descrip.	4455276/emb|CAB36812.1| 3.0e-26 (AL035527) peptide transporter-like protein [Arabidopsis thaliana]		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o3.tm	Method	TBLASTX:Maize
Start	19264	End	22617
GI	none	Score	81
Exons	19264..19329, 19265..19309, 19553..19603, 19554..19592, 19668..19796, 19670..19831, 19670..19828, 19927..19986, 19928..19987, 19990..20133, 20763..20825, 20768..20878, 20768..20824, 20941..21081, 20942..21082, 20943..21110, 21578..21685, 21579..21686, 21793..22050, 21795..22049, 22564..22617, 22566..22613		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o5.ts	Method	TBLASTX:Soybean
Start	19939	End	21914
GI	none	Score	116
Exons	19939..20133, 19940..20053, 20736..20825, 20747..20824, 20940..21077, 20942..21082, 20943..21080, 21578..21685, 21585..21683, 21591..21698, 21793..21903, 21793..21897, 21795..21914		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o1.tw	Method	TBLASTX:Wheat
Start	21632	End	22736
GI	none	Score	83
Exons	21632..21685, 21633..21686, 21634..21687, 21793..22050, 21793..22050, 21794..22051, 22564..22731, 22566..22736, 22674..22736		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o2.ts	Method	TBLASTX:Soybean
Start	21930	End	22892
GI	none	Score	65

Exons	21930..22013, 21931..21996, 22014..22049, 22022..22057, 22564..22875, 22566..22892		
Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o3.tc	Method	TBLASTX:Cress
Start	21942	End	22892
GI	none	Score	138
Exons	21942..22019, 22014..22049, 22564..22722, 22566..22892, 22783..22881		
Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o1.tm	Method	TBLASTX:Maize
Start	25329	End	27979
GI	none	Score	35
Exons	25329..25394, 25349..25375, 25460..25540, 25462..25560, 25541..25594, 25603..25635, 25606..25635, 25699..25788, 25703..25789, 25706..25801, 25860..25922, 25865..25912, 26225..26341, 26225..26347, 26226..26342, 26227..26343, 26604..26747, 26604..26750, 26605..26748, 26819..26914, 26821..26916, 27008..27130, 27010..27129, 27257..27412, 27272..27418, 27274..27417, 27501..27563, 27512..27565, 27515..27565, 27880..27972, 27881..27979		
Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o3.tw	Method	TBLASTX:Wheat
Start	25543	End	25951
GI	none	Score	39
Exons	25543..25587, 25603..25632, 25648..25671, 25684..25788, 25693..25788, 25694..25792, 25694..25792, 25862..25930, 25865..25951, 25866..25931		
Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o2.tc	Method	TBLASTX:Cress
Start	25698	End	30052
GI	none	Score	100
Exons	25698..25787, 25706..25789, 25710..25787, 25741..25788, 25741..25806, 25860..25913, 25865..25912, 26225..26347, 26226..26342, 26600..26734, 26604..26750, 26605..26748, 26819..26914, 26821..26916, 27008..27145, 27010..27129, 27272..27418, 27274..27417, 27323..27421, 27324..27419, 27510..27563, 27512..27565, 27515..27565, 27866..27961, 27876..27962, 27880..27972, 27881..27976, 28066..28194, 28095..28190, 28281..28376, 28286..28378, 28294..28383, 28297..28377, 29032..29223, 29047..29226, 29969..30052		
Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o1.ts	Method	TBLASTX:Soybean

Start	26226	End	30052
GI	none	Score	118
Exons	26226..26342, 26228..26347, 26604..26735, 26604..26729, 26605..26745, 26821..26916, 26822..26914, 26997..27116, 27008..27133, 27010..27129, 27247..27408, 27272..27418, 27274..27417, 27512..27565, 27513..27563, 27866..27967, 27880..27972, 27881..27976, 27882..27974, 28066..28197, 28087..28188, 28095..28190, 28281..28376, 28286..28378, 29032..29223, 29046..29225, 29047..29226, 29102..29227, 29109..29228, 29969..30052		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o5.tm	Method	TBLASTX:Maize
Start	28072	End	30064
GI	none	Score	144
Exons	28072..28188, 28095..28190, 28099..28197, 28100..28195, 28281..28376, 28285..28377, 28286..28378, 28286..28378, 29032..29223, 29046..29225, 29047..29226, 29112..29225, 29969..30064		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o8.ts	Method	TBLASTX:Soybean
Start	32521	End	32930
GI	none	Score	84
Exons	32521..32823, 32529..32930		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o6.ts	Method	TBLASTX:Soybean
Start	33549	End	33756
GI	none	Score	41
Exons	33549..33593, 33559..33594, 33594..33749, 33604..33738, 33607..33756		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o4.tc	Method	TBLASTX:Cress
Start	36250	End	37842
GI	none	Score	96
Exons	36250..36369, 36251..36325, 37217..37486, 37222..37479, 37712..37828, 37723..37842, 37726..37842		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o4.ts	Method	TBLASTX:Soybean
Start	36286	End	37492
GI	none	Score	234
Exons	36286..36369, 37214..37492, 37222..37491		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9

Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o4.tm	Method	TBLASTX:Maize
Start	37220	End	37479
GI	none	Score	353
Exons	37220..37474, 37222..37479, 37225..37479		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o7.tm	Method	TBLASTX:Maize
Start	38710	End	38907
GI	none	Score	98
Exons	38710..38907, 38744..38902		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o7.ts	Method	TBLASTX:Soybean
Start	38731	End	38907
GI	none	Score	98
Exons	38731..38907, 38786..38905		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o5.tc	Method	TBLASTX:Cress
Start	38740	End	38908
GI	none	Score	96
Exons	38740..38907, 38777..38908		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o3.ts	Method	TBLASTX:Soybean
Start	70047	End	72710
GI	none	Score	100
Exons	70047..70145, 70658..70888, 71432..71683, 71443..71643, 71744..71869, 72054..72200, 72219..72422, 72456..72710		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o1.tc	Method	TBLASTX:Cress
Start	70059	End	72710
GI	none	Score	75
Exons	70059..70145, 70676..70891, 71432..71869, 71485..71643, 71758..71814, 71982..72011, 72057..72194, 72062..72205, 72219..72422, 72456..72710, 72467..72709		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o6.tm	Method	TBLASTX:Maize
Start	71450	End	71860
GI	none	Score	236
Exons	71450..71860, 71473..71625		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o2.tm	Method	TBLASTX:Maize
Start	72050	End	72715
GI	none	Score	164
Exons	72050..72184, 72051..72194, 72207..72338, 72336..72413, 72456..72713, 72461..72715		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o2.tw	Method	TBLASTX:Wheat
Start	72462	End	72781
GI	none	Score	244
Exons	72462..72710, 72468..72620, 72470..72781		

Seq. No.	46408	Seq. ID	OJ000116_38.0316.C9
Gene No.	98484	Strand	-
Start	73657	End	76917
Name	OJ000116_38.0316.C9.o13.gs	Method	GENSCAN
Start	73657	End	76917
GI	none	Score	.5
Exons	73657..73857, 74745..74800, 76376..76477, 76610..76724, 76803..76917		

Seq. No.	46409	Seq. ID	OJ000116_38.0316.C10
Gene No.	98485	Strand	+
Start	516	End	3907
Name	OJ000116_38.0316.C10.o1.gs	Method	GENSCAN
Start	516	End	3907
GI	none	Score	.52
Exons	516..669, 2887..3196, 3251..3387, 3472..3521, 3772..3907		

Seq. No.	46410	Seq. ID	OJ000116_38.0316.C12
Gene No.	98486	Strand	+
Start	30	End	393
Name	OJ000116_38.0316.C12.o1.np	Method	AAT/NAP
Start	30	End	393
GI	6118043	Score	71
Exons	30..230, 323..393		
GI Descrip.	(AF157835) P48 [Bacteriophage APSE-1]		

Seq. No.	46410	Seq. ID	OJ000116_38.0316.C12
Gene No.	98487	Strand	-
Start	143	End	392
Name	OJ000116_38.0316.C12.o1.gs	Method	GENSCAN
Start	143	End	392
GI	none	Score	.76
Exons	143..253, 330..392		

Seq. No.	46411	Seq. ID	OJ000216_10.0310.C2
Gene No.	98488	Strand	+
Start	1	End	1803
Name	OJ000216_10.0310.C2.o1.np	Method	AAT/NAP
Start	1	End	595

GI	1402889	Score	195
Exons	1..138, 402..595		
GI Descrip.	(X98130) unknown [Arabidopsis thaliana]		

Seq. No.	46411	Seq. ID	OJ000216_10.0310.C2
Gene No.	98488	Strand	+
Start	1	End	1803
Name	OJ000216_10.0310.C2.o1.gs	Method	GENSCAN
Start	406	End	1803
GI	none	Score	.67
Exons	406..548, 1310..1803		

Seq. No.	46411	Seq. ID	OJ000216_10.0310.C2
Gene No.	98488	Strand	+
Start	1	End	1803
Name	OJ000216_10.0310.C2.o1.gp	Method	AAT/GAP
Start	410	End	842
GI	3762167	Score	805
Exons	410..842		
GI Descrip.	1402889/emb|CAA66820| 3.0e-18 (X98130) unknown [Arabidopsis thaliana]		

Seq. No.	46411	Seq. ID	OJ000216_10.0310.C2
Gene No.	98489	Strand	-
Start	2335	End	2838
Name	OJ000216_10.0310.C2.o1.tc	Method	TBLASTX:Cress
Start	139	End	597
GI	none	Score	147
Exons	139..285, 167..283, 287..328, 388..435, 407..439, 436..597, 437..586		

Seq. No.	46411	Seq. ID	OJ000216_10.0310.C2
Gene No.	98489	Strand	-
Start	2335	End	2838
Name	OJ000216_10.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	251	End	582
GI	none	Score	127
Exons	251..322, 253..321, 406..480, 407..478, 414..497, 475..582, 476..580, 484..582		

Seq. No.	46411	Seq. ID	OJ000216_10.0310.C2
Gene No.	98489	Strand	-
Start	2335	End	2838
Name	OJ000216_10.0310.C2.o2.gs	Method	GENSCAN
Start	2335	End	2838
GI	none	Score	.75
Exons	2335..2444, 2724..2838		

Seq. No.	46412	Seq. ID	OJ000216_10.0310.C3
Gene No.	98490	Strand	+
Start	30	End	1266
Name	OJ000216_10.0310.C3.o1.gs	Method	GENSCAN
Start	30	End	592
GI	none	Score	.83
Exons	30..35, 386..592		

Seq. No.	46412	Seq. ID	OJ000216_10.0310.C3

Gene No.	98490	Strand	+
Start	30	End	1266
Name	OJ000216_10.0310.C3.o1.np	Method	AAT/NAP
Start	296	End	1266
GI	6539588	Score	169
Exons	296..602, 1035..1266		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	46413	Seq. ID	OJ000216_10.0310.C4
Gene No.	98491	Strand	-
Start	2151	End	2584
Name	OJ000216_10.0310.C4.o3.tw	Method	TBLASTX:Wheat
Start	32	End	339
GI	none	Score	123
Exons	32..136, 33..173, 183..230, 229..339		

Seq. No.	46413	Seq. ID	OJ000216_10.0310.C4
Gene No.	98491	Strand	-
Start	2151	End	2584
Name	OJ000216_10.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	36	End	680
GI	none	Score	190
Exons	36..218, 41..217, 250..633, 654..680		

Seq. No.	46413	Seq. ID	OJ000216_10.0310.C4
Gene No.	98491	Strand	-
Start	2151	End	2584
Name	OJ000216_10.0310.C4.o1.ts	Method	TBLASTX:Soybean
Start	265	End	824
GI	none	Score	100
Exons	265..423, 375..593, 460..597, 641..727, 651..824		

Seq. No.	46413	Seq. ID	OJ000216_10.0310.C4
Gene No.	98491	Strand	-
Start	2151	End	2584
Name	OJ000216_10.0310.C4.o1.tw	Method	TBLASTX:Wheat
Start	415	End	862
GI	none	Score	141
Exons	415..660, 632..862, 642..833		

Seq. No.	46413	Seq. ID	OJ000216_10.0310.C4
Gene No.	98491	Strand	-
Start	2151	End	2584
Name	OJ000216_10.0310.C4.o2.tw	Method	TBLASTX:Wheat
Start	1274	End	1718
GI	none	Score	80
Exons	1274..1366, 1391..1516, 1572..1718		

Seq. No.	46413	Seq. ID	OJ000216_10.0310.C4
Gene No.	98491	Strand	-
Start	2151	End	2584
Name	OJ000216_10.0310.C4.o1.gs	Method	GENSCAN
Start	2151	End	2584
GI	none	Score	.62
Exons	2151..2326, 2500..2584		

Seq. No.	46414	Seq. ID	OJ000216_10.0310.C5

Gene No.	98492	Strand	-
Start	1	End	3316
Name	OJ000216_10.0310.C5.o1.np	Method	AAT/NAP
Start	1	End	1331
GI	5922636	Score	416
Exons	1..219, 515..773, 1275..1331		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	46414	Seq. ID	OJ000216_10.0310.C5
Gene No.	98492	Strand	-
Start	1	End	3316
Name	OJ000216_10.0310.C5.o2.np	Method	AAT/NAP
Start	1	End	3316
GI	7363274	Score	140
Exons	1..36, 2471..2771, 3275..3316		
GI Descrip.	(AP001552) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F17A8; putative protein. (AL049482) [Oryza sativa]		

Seq. No.	46414	Seq. ID	OJ000216_10.0310.C5
Gene No.	98492	Strand	-
Start	1	End	3316
Name	OJ000216_10.0310.C5.o1.gs	Method	GENSCAN
Start	20	End	3243
GI	none	Score	.43
Exons	20..263, 287..443, 555..796, 817..1031, 1063..1160, 2498..2617, 3114..3243		

Seq. No.	46415	Seq. ID	OJ000216_10.0310.C6
Gene No.	98493	Strand	-
Start	147	End	1392
Name	OJ000216_10.0310.C6.o1.gs	Method	GENSCAN
Start	147	End	1392
GI	none	Score	.55
Exons	147..324, 555..643, 1267..1392		

Seq. No.	46416	Seq. ID	OJ000216_10.0310.C7
Gene No.	98494	Strand	+
Start	1085	End	1722
Name	OJ000216_10.0310.C7.o1.gs	Method	GENSCAN
Start	1085	End	1722
GI	none	Score	.85
Exons	1085..1298, 1451..1722		

Seq. No.	46416	Seq. ID	OJ000216_10.0310.C7
Gene No.	98495	Strand	-
Start	2010	End	9908
Name	OJ000216_10.0310.C7.o2.gs	Method	GENSCAN
Start	2010	End	9908
GI	none	Score	.76
Exons	2010..2405, 3151..3303, 3674..4519, 4683..4789, 5434..5527, 7245..7335, 9853..9908		

Seq. No.	46416	Seq. ID	OJ000216_10.0310.C7

Gene No.	98495	Strand	-
Start	2010	End	9908
Name	OJ000216_10.0310.C7.o1.np	Method	AAT/NAP
Start	2019	End	4486
GI	5803254	Score	629
Exons	2019..2352, 3109..3303, 3674..4486		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8
Gene No.	98496	Strand	+
Start	1	End	1137
Name	OJ000216_10.0310.C8.o1.np	Method	AAT/NAP
Start	1	End	1137
GI	6466937	Score	458
Exons	1..909, 956..1137		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8
Gene No.	98497	Strand	+
Start	8660	End	27101
Name	OJ000216_10.0310.C8.o3.gs	Method	GENSCAN
Start	8660	End	27101
GI	none	Score	.52
Exons	8660..8908, 8913..8975, 10171..10305, 13208..13324, 14311..14483, 16102..16205, 16399..16471, 16766..16934, 17067..17931, 18028..19454, 19944..20017, 20093..20247, 20305..20459, 20545..20767, 20840..20958, 21039..21337, 21442..21613, 21796..21903, 21950..22051, 22167..22189, 22247..22704, 23436..23615, 25502..25701, 26259..26393, 26646..26718, 26850..26934, 27077..27101		

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8
Gene No.	98497	Strand	+
Start	8660	End	27101
Name	OJ000216_10.0310.C8.o4.np	Method	AAT/NAP
Start	16818	End	24021
GI	7228438	Score	3168
Exons	16818..18800, 20364..20459, 20545..20958, 21039..21337, 21442..21703, 21796..21948, 24005..24021		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8
Gene No.	98497	Strand	+
Start	8660	End	27101
Name	OJ000216_10.0310.C8.o1.gp	Method	AAT/GAP
Start	20132	End	22397
GI	LIB3433-020-P1-K1-A6	Score	753
Exons	20132..20174, 21996..22397		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8

Gene No.	98497	Strand	+
Start	8660	End	27101
Name	OJ000216_10.0310.C8.o2.gp	Method	AAT/GAP
Start	23669	End	23726
GI	LIB3431-030-P1-N1-G8	Score	81
Exons	23669..23726		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8
Gene No.	98498	Strand	+
Start	28739	End	28819
Name	OJ000216_10.0310.C8.o3.gp	Method	AAT/GAP
Start	28739	End	28819
GI	38012_1.R1084	Score	99
Exons	28739..28819		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8
Gene No.	98499	Strand	+
Start	32937	End	46541
Name	OJ000216_10.0310.C8.o5.np	Method	AAT/NAP
Start	32937	End	46541
GI	7543906	Score	1072
Exons	32937..33063, 44674..45758, 46490..46541		
GI Descrip.	(AL163572) putative protein [Arabidopsis thaliana]		

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8
Gene No.	98500	Strand	-
Start	1	End	4234
Name	OJ000216_10.0310.C8.o2.np	Method	AAT/NAP
Start	1	End	4234
GI	4322302	Score	114
Exons	1..100, 1936..2103, 2219..2287, 2371..2494, 2645..2794, 3268..3575, 4073..4234		
GI Descrip.	(AF077741) lysosomal acid alpha-mannosidase precursor [Trypanosoma cruzi]		

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8
Gene No.	98501	Strand	-
Start	12858	End	14613
Name	OJ000216_10.0310.C8.o3.np	Method	AAT/NAP
Start	12858	End	14613
GI	5803254	Score	584
Exons	12858..13027, 13079..13274, 13485..13652, 13785..14613		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8
Gene No.	98502	Strand	-
Start	27403	End	28236
Name	OJ000216_10.0310.C8.o4.gs	Method	GENSCAN
Start	27403	End	28236
GI	none	Score	.81
Exons	27403..27592, 27694..28037, 28084..28236		

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8
Gene No.	98503	Strand	-
Start	40701	End	41508
Name	OJ000216_10.0310.C8.o2.tm	Method	TBLASTX:Maize
Start	173	End	734
GI	none	Score	59
Exons	173..253, 184..252, 271..480, 546..734, 558..683, 560..733	285..353, 289..480, 425..499,	

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8
Gene No.	98503	Strand	-
Start	40701	End	41508
Name	OJ000216_10.0310.C8.o2.tw	Method	TBLASTX:Wheat
Start	584	End	950
GI	none	Score	187
Exons	584..748, 585..746, 790..936,	816..950	

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8
Gene No.	98503	Strand	-
Start	40701	End	41508
Name	OJ000216_10.0310.C8.o3.tm	Method	TBLASTX:Maize
Start	2672	End	3539
GI	none	Score	80
Exons	2672..2704, 2713..2775, 2713..2772, 2720..2779, 3101..3163, 3103..3123, 3112..3165, 3114..3170, 3115..3174, 3239..3325, 3240..3326, 3240..3323, 3241..3336, 3241..3324, 3433..3537, 3437..3535, 3438..3539		

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8
Gene No.	98503	Strand	-
Start	40701	End	41508
Name	OJ000216_10.0310.C8.o1.tm	Method	TBLASTX:Maize
Start	17766	End	18362
GI	none	Score	375
Exons	17766..18233, 17771..18244, 18291..18362		

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8
Gene No.	98503	Strand	-
Start	40701	End	41508
Name	OJ000216_10.0310.C8.o1.tw	Method	TBLASTX:Wheat
Start	18060	End	18437
GI	none	Score	190
Exons	18060..18209, 18062..18214, 18063..18239, 18263..18331, 18264..18437, 18271..18426		

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8
Gene No.	98503	Strand	-
Start	40701	End	41508
Name	OJ000216_10.0310.C8.o3.tw	Method	TBLASTX:Wheat
Start	20184	End	20366
GI	none	Score	92
Exons	20184..20237, 20198..20248, 20246..20365, 20247..20366		

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8
Gene No.	98503	Strand	-
Start	40701	End	41508

Name	OJ000216_10.0310.C8.o7.gs	Method	GENSCAN
Start	40701	End	41508
GI	none	Score	.99
Exons	40701..41307, 41336..41508		

Seq. No.	46417	Seq. ID	OJ000216_10.0310.C8
Gene No.	98504	Strand	
Start	45495	End	45758
Name	OJ000216_10.0310.C8.o1.ts	Method	TBLASTX:Soybean
Start	45495	End	45758
GI	none	Score	192
Exons	45495..45758, 45504..45725, 45563..45751		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98505	Strand	+
Start	200	End	3679
Name	OJ000216_10.0310.C9.o1.np	Method	AAT/NAP
Start	200	End	3679
GI	7543906	Score	2302
Exons	200..771, 844..1063, 2363..3679		
GI Descrip.	(AL163572) putative protein [Arabidopsis thaliana]		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98505	Strand	+
Start	200	End	3679
Name	OJ000216_10.0310.C9.o1.gp	Method	AAT/GAP
Start	530	End	1029
GI	none	Score	824
Exons	530..771, 844..1029		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98506	Strand	+
Start	6460	End	6902
Name	OJ000216_10.0310.C9.o3.gp	Method	AAT/GAP
Start	6460	End	6902
GI	18660_1.R1084	Score	654
Exons	6460..6902		
GI Descrip.	'4586675/dbj|AB025047.1|AB025047 1.0e-179 Oryza sativa CYP51 mRNA for sterol 14-demethylase, partial cds'		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98507	Strand	+
Start	27472	End	29545
Name	OJ000216_10.0310.C9.o4.np	Method	AAT/NAP
Start	27472	End	29545
GI	5001454	Score	90
Exons	27472..27490, 29357..29545		
GI Descrip.	(AC007730) putative non-LTR retrolelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98508	Strand	-
Start	4611	End	5210
Name	OJ000216_10.0310.C9.o2.gs	Method	GENSCAN
Start	4611	End	5210
GI	none	Score	.61
Exons	4611..5210		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98509	Strand	-
Start	6346	End	11430
Name	OJ000216_10.0310.C9.o3.gs	Method	GENSCAN
Start	6346	End	11430
GI	none	Score	.63
Exons	6346..6454, 6462..6724, 7620..7730, 8098..8356, 8491..8591, 8671..8742, 8849..8936, 9203..9337, 9435..9547, 9760..9831, 9934..10038, 10151..10318, 10367..10461, 11319..11430		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98510	Strand	-
Start	12518	End	14075
Name	OJ000216_10.0310.C9.o4.gp	Method	AAT/GAP
Start	12518	End	14075
GI	none	Score	1417
Exons	12518..12822, 13048..13165, 13600..13658, 13786..14075		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98510	Strand	-
Start	12518	End	14075
Name	OJ000216_10.0310.C9.o4.gs	Method	GENSCAN
Start	13044	End	13985
GI	none	Score	.68
Exons	13044..13312, 13600..13658, 13786..13985		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98511	Strand	-
Start	16193	End	21980
Name	OJ000216_10.0310.C9.o5.gs	Method	GENSCAN
Start	16193	End	17033
GI	none	Score	.93
Exons	16193..16857, 16982..17033		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98511	Strand	-
Start	16193	End	21980
Name	OJ000216_10.0310.C9.o3.np	Method	AAT/NAP
Start	16220	End	21917
GI	7486808	Score	1427
Exons	16220..16513, 16571..16857, 20507..21312, 21372..21472, 21565..21715, 21742..21917		
GI Descrip.	hypothetical protein M4I22.70 - Arabidopsis thaliana gi|3269287|emb|CAA19720.1| (AL030978) GH3 like protein [Arabidopsis thaliana] gi|7269579|emb|CAB79581.1| (AL161566) GH3 like protein [Arabidopsis thaliana]		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98511	Strand	-
Start	16193	End	21980
Name	OJ000216_10.0310.C9.o6.gs	Method	GENSCAN
Start	20421	End	21980
GI	none	Score	.48
Exons	20421..21450, 21565..21980		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9

Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o4.ts	Method	TBLASTX:Soybean
Start	916	End	2710
GI	none	Score	168
Exons	916..1041, 917..1057, 919..1059, 920..1060, 924..1061, 2362..2679, 2363..2677, 2594..2710		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o4.tm	Method	TBLASTX:Maize
Start	992	End	2593
GI	none	Score	109
Exons	992..1075, 993..1079, 994..1062, 1022..1063, 2346..2510, 2359..2592, 2360..2593, 2360..2539, 2362..2592		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o1.ts	Method	TBLASTX:Soybean
Start	2714	End	3403
GI	none	Score	201
Exons	2714..2884, 2732..2869, 2746..2886, 2869..3024, 2870..3019, 3026..3403, 3052..3402		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o3.tm	Method	TBLASTX:Maize
Start	2773	End	3022
GI	none	Score	274
Exons	2773..2955, 2774..2953, 2947..3018, 2956..3018, 2957..3022, 2958..3020		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o2.tc	Method	TBLASTX:Cress
Start	2788	End	3685
GI	none	Score	75
Exons	2788..2868, 2789..2869, 2869..3015, 2870..3016, 3118..3324, 3134..3331, 3134..3331, 3341..3391, 3373..3444, 3389..3445, 3389..3457, 3431..3511, 3467..3682, 3514..3684, 3515..3685		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	3022	End	3702
GI	none	Score	852
Exons	3022..3702, 3026..3700		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o7.ts	Method	TBLASTX:Soybean

Start	3439	End	3702
GI	none	Score	217
Exons	3439..3702, 3440..3685		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o5.tm	Method	TBLASTX:Maize
Start	4980	End	6633
GI	none	Score	69
Exons	4980..5024, 5124..5180, 5128..5181, 5128..5181, 5178..5255, 5179..5253, 6222..6314, 6242..6316, 6243..6314, 6245..6328, 6390..6506, 6391..6504, 6499..6546, 6510..6548, 6610..6633		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o6.ts	Method	TBLASTX:Soybean
Start	4980	End	6552
GI	none	Score	53
Exons	4980..5024, 5127..5255, 5128..5253, 6242..6313, 6243..6314, 6379..6504, 6399..6506, 6498..6551, 6499..6552		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o4.tc	Method	TBLASTX:Cress
Start	6234	End	6543
GI	none	Score	136
Exons	6234..6326, 6242..6313, 6381..6503, 6385..6504, 6499..6543		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o5.ts	Method	TBLASTX:Soybean
Start	7297	End	8938
GI	none	Score	70
Exons	7297..7398, 7304..7396, 7618..7734, 7620..7733, 8087..8152, 8096..8158, 8098..8160, 8213..8347, 8236..8355, 8237..8332, 8239..8355, 8488..8577, 8490..8591, 8491..8577, 8663..8743, 8668..8793, 8669..8782, 8826..8909, 8838..8912, 8849..8938		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o7.tm	Method	TBLASTX:Maize
Start	7303	End	8556
GI	none	Score	122
Exons	7303..7398, 7304..7396, 7619..7735, 7620..7733, 7620..7736, 7672..7734, 8088..8159, 8096..8158, 8098..8175, 8098..8160, 8236..8355, 8237..8359, 8485..8550, 8490..8555, 8491..8556		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o2.tm	Method	TBLASTX:Maize
Start	8557	End	11418

GI	none	Score	45
Exons	8557..8592, 8559..8591, 8668..8793, 8669..8782, 8827..8937, 8838..8915, 8840..8926, 8849..8965, 9046..9114, 9047..9100, 9047..9118, 9199..9339, 9203..9343, 9418..9537, 9422..9550, 9429..9548, 9435..9566, 9440..9550, 9748..9831, 9761..9838, 9775..9843, 9926..10036, 9931..10038, 9934..10050, 9939..10049, 10148..10249, 10148..10270, 10200..10265, 10367..10462, 10368..10493, 11320..11418, 11324..11410		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o2.ts	Method	TBLASTX:Soybean
Start	16239	End	21140
GI	none	Score	147
Exons	16239..16502, 16244..16477, 16604..16861, 16620..16667, 16775..16855, 16782..16862, 20505..20534, 20616..20756, 20742..20867, 20940..21140		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o1.tc	Method	TBLASTX:Cress
Start	16244	End	21140
GI	none	Score	177
Exons	16244..16477, 16245..16514, 16604..16861, 16620..16667, 16782..16862, 20505..20534, 20616..20852, 20652..20813, 20686..20823, 20970..21140		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o8.tm	Method	TBLASTX:Maize
Start	16295	End	16861
GI	none	Score	106
Exons	16295..16447, 16604..16861, 16775..16861		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o1.tw	Method	TBLASTX:Wheat
Start	20499	End	20837
GI	none	Score	36
Exons	20499..20549, 20505..20534, 20610..20837, 20620..20727, 20685..20816, 20770..20835		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o9.tm	Method	TBLASTX:Maize
Start	20604	End	20855
GI	none	Score	233
Exons	20604..20855		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448

Name	OJ000216_10.0310.C9.o6.tm	Method	TBLASTX:Maize
Start	20949	End	21287
GI	none	Score	79
Exons	20949..21164, 21054..21287, 21100..21171, 21214..21276		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o3.ts	Method	TBLASTX:Soybean
Start	21144	End	21842
GI	none	Score	82
Exons	21144..21311, 21214..21309, 21374..21448, 21567..21683, 21738..21842		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o3.tc	Method	TBLASTX:Cress
Start	21213	End	21842
GI	none	Score	71
Exons	21213..21311, 21214..21309, 21374..21448, 21567..21683, 21738..21842		

Seq. No.	46418	Seq. ID	OJ000216_10.0310.C9
Gene No.	98512	Strand	-
Start	22954	End	29448
Name	OJ000216_10.0310.C9.o7.gs	Method	GENSCAN
Start	22954	End	29448
GI	none	Score	.57
Exons	22954..23055, 24996..25047, 28919..29067, 29404..29448		

Seq. No.	46419	Seq. ID	OJ000126_11.0323.C1
Gene No.	98514	Strand	+
Start	202	End	1165
Name	OJ000126_11.0323.C1.o2.ts	Method	TBLASTX:Soybean
Start	1	End	372
GI	none	Score	54
Exons	1..27, 2..52, 52..114, 64..114, 65..115, 117..209, 123..218, 127..201, 129..206, 198..251, 199..252, 212..265, 248..277, 256..372, 284..340, 291..371		

Seq. No.	46419	Seq. ID	OJ000126_11.0323.C1
Gene No.	98514	Strand	+
Start	202	End	1165
Name	OJ000126_11.0323.C1.o1.ts	Method	TBLASTX:Soybean
Start	624	End	1165
GI	none	Score	63
Exons	624..710, 624..710, 625..711, 625..711, 696..902, 706..894, 710..901, 871..1017, 887..1021, 891..971, 892..1014, 896..1024, 1000..1164, 1016..1165		

Seq. No.	46419	Seq. ID	OJ000126_11.0323.C1
Gene No.	98514	Strand	+
Start	202	End	1165
Name	OJ000126_11.0323.C1.o1.tc	Method	TBLASTX:Cress
Start	636	End	1010
GI	none	Score	122

Exons	636..710, 637..711, 637..711, 696..899, 706..900, 707..901, 897..971, 897..1010, 898..1008		
Seq. No.	46419	Seq. ID	OJ000126_11.0323.C1
Gene No.	98514	Strand	+
Start	202	End	1165
Name	OJ000126_11.0323.C1.o3.tc	Method	TBLASTX:Cress
Start	1024	End	1165
GI	none	Score	238
Exons	1024..1164, 1025..1165		
Seq. No.	46420	Seq. ID	OJ000126_11.0323.C4
Gene No.	98515	Strand	
Start	3	End	1492
Name	OJ000126_11.0323.C4.o3.tc	Method	TBLASTX:Cress
Start	3	End	576
GI	none	Score	220
Exons	3..200, 5..205, 6..200, 219..350, 254..322, 300..323, 465..575, 466..576, 491..574		
Seq. No.	46420	Seq. ID	OJ000126_11.0323.C4
Gene No.	98515	Strand	
Start	3	End	1492
Name	OJ000126_11.0323.C4.o1.ts	Method	TBLASTX:Soybean
Start	222	End	1492
GI	none	Score	117
Exons	222..368, 254..319, 289..330, 441..1490, 441..1490, 454..1491, 491..1492, 491..1492		
Seq. No.	46420	Seq. ID	OJ000126_11.0323.C4
Gene No.	98515	Strand	
Start	3	End	1492
Name	OJ000126_11.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	240	End	1492
GI	none	Score	164
Exons	240..338, 254..337, 339..356, 340..366, 398..445, 399..452, 400..456, 415..456, 450..1490, 454..954, 459..1490, 479..1492, 491..1492		
Seq. No.	46420	Seq. ID	OJ000126_11.0323.C4
Gene No.	98515	Strand	
Start	3	End	1492
Name	OJ000126_11.0323.C4.o1.tc	Method	TBLASTX:Cress
Start	617	End	1166
GI	none	Score	266
Exons	617..784, 618..782, 622..783, 778..954, 783..1163, 785..1165, 786..1166		
Seq. No.	46420	Seq. ID	OJ000126_11.0323.C4
Gene No.	98515	Strand	
Start	3	End	1492
Name	OJ000126_11.0323.C4.o2.tc	Method	TBLASTX:Cress
Start	1167	End	1492
GI	none	Score	455
Exons	1167..1490, 1169..1492, 1169..1492		
Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5

Gene No.	98516	Strand	+
Start	3124	End	3382
Name	OJ000126_11.0323.C5.o2.gp	Method	AAT/GAP
Start	3124	End	3382
GI	uC-osf1M202088b07a1	Score	514
Exons	3124..3382		
GI Descrip.	'11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome'		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98517	Strand	+
Start	8908	End	8969
Name	OJ000126_11.0323.C5.o4.gp	Method	AAT/GAP
Start	8908	End	8969
GI	56420_1.R1084	Score	88
Exons	8908..8969		
GI Descrip.	'2979562 2.0e-16 (AC003680) unknown protein [Arabidopsis thaliana] >gi_3386623 (AC004665) unknown protein [Arabidopsis thaliana]'		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98518	Strand	-
Start	1	End	179
Name	OJ000126_11.0323.C5.o1.gp	Method	AAT/GAP
Start	1	End	179
GI	uC-osflcyp021g10b1	Score	314
Exons	1..179		
GI Descrip.	'131148/sp|P12156|PSAB_ORYSA 6.0e-59 PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A2 >gi_72674_pir__A2RZP7 photosystem I P700 apoprotein A2 - rice chloroplast >gi_11981_emb_CAA33995_ (X15901) PSI P700 apoprotein A2 [Oryza sativa] >gi_226604_prf__1603356AA photosystem I P700 apoprotein A2 [Oryza sativa]'		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o10.tc	Method	TBLASTX:Cress
Start	1	End	115
GI	none	Score	153
Exons	1..114, 2..115		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o6.ts	Method	TBLASTX:Soybean
Start	1	End	2456
GI	none	Score	292
Exons	1..213, 2..214, 10..216, 2015..2185, 2016..2186, 2189..2236, 2342..2455, 2343..2456		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o3.tm	Method	TBLASTX:Maize
Start	1	End	2254
GI	none	Score	92

Exons	1..63, 1..75, 2..76, 2..91, 41..136, 46..153, 51..131, 55..135, 875..1018, 893..991, 1022..1102, 1169..1351, 1169..1483, 1170..1487, 1538..1582, 1604..2008, 1608..2021, 2015..2254, 2016..2087, 2039..2164, 2127..2186		
Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o1.tc	Method	TBLASTX:Cress
Start	115	End	2577
GI	none	Score	1522
Exons	115..246, 256..360, 1373..2575, 1410..2576, 1738..2577		
Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o7.tm	Method	TBLASTX:Maize
Start	154	End	2587
GI	none	Score	384
Exons	154..447, 154..447, 155..448, 2342..2464, 2364..2456, 2471..2587		
Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o4.ts	Method	TBLASTX:Soybean
Start	216	End	2706
GI	none	Score	160
Exons	216..374, 217..522, 218..523, 2471..2587, 2653..2706		
Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o3.tc	Method	TBLASTX:Cress
Start	364	End	2877
GI	none	Score	75
Exons	364..483, 365..484, 433..840, 434..883, 437..883, 2665..2811, 2806..2877		
Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o2.tm	Method	TBLASTX:Maize
Start	448	End	3725
GI	none	Score	55
Exons	448..606, 604..675, 2596..2640, 2597..2623, 2606..3046, 2623..3075, 2625..3047, 3022..3135, 3045..3122, 3097..3225, 3111..3227, 3117..3233, 3228..3257, 3229..3258, 3271..3321, 3274..3321, 3299..3403, 3313..3402, 3336..3416, 3400..3471, 3401..3457, 3405..3458, 3452..3532, 3453..3530, 3454..3534, 3454..3534, 3562..3714, 3574..3711, 3578..3718, 3579..3725		
Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o3.ts	Method	TBLASTX:Soybean
Start	523	End	3146
GI	none	Score	365

Exons	523..606, 604..675, 2728..3045, 2728..3063, 2732..3064, 2735..3064, 3117..3146		
Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o1.ts	Method	TBLASTX:Soybean
Start	771	End	2008
GI	none	Score	48
Exons	771..863, 875..1018, 893..982, 1022..1102, 1146..1487, 1169..1483, 1538..1582, 1604..2008, 1608..1709		
Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o6.tc	Method	TBLASTX:Cress
Start	887	End	1373
GI	none	Score	83
Exons	887..1018, 893..991, 1028..1102, 1169..1372, 1170..1373		
Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o8.tc	Method	TBLASTX:Cress
Start	2878	End	3146
GI	none	Score	234
Exons	2878..3045, 2878..3045, 2879..3046, 2885..3046, 3040..3123, 3117..3146		
Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o8.ts	Method	TBLASTX:Soybean
Start	3604	End	4594
GI	none	Score	149
Exons	3604..3759, 3605..3760, 3608..3760, 3645..3770, 4447..4593, 4476..4592, 4478..4594, 4484..4594		
Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o9.tc	Method	TBLASTX:Cress
Start	3654	End	3986
GI	none	Score	114
Exons	3654..3770, 3655..3795, 3655..3783, 3662..3799, 3771..3836, 3773..3826, 3774..3827, 3885..3929, 3885..3959, 3889..3960, 3943..3981, 3948..3986		
Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o8.tm	Method	TBLASTX:Maize
Start	3780	End	4123
GI	none	Score	240
Exons	3780..3935, 3783..3935, 3885..4007, 3931..4047, 3935..4060, 3937..4044, 4033..4083, 4037..4120, 4040..4102, 4044..4121, 4073..4123		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o4.tc	Method	TBLASTX:Cress
Start	4454	End	4804
GI	none	Score	405
Exons	4454..4711, 4457..4804		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	4464	End	5619
GI	none	Score	239
Exons	4464..4610, 4465..4815, 4465..4800, 4665..4817, 4751..4816, 4810..5439, 4814..5470, 4815..5423, 4846..5436, 5393..5596, 5418..5597, 5434..5598, 5435..5599, 5599..5619		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o5.tc	Method	TBLASTX:Cress
Start	4870	End	5604
GI	none	Score	56
Exons	4870..4926, 4882..4902, 4937..4990, 4954..4989, 4954..5085, 4989..5111, 4995..5111, 4996..5112, 5000..5119, 5107..5223, 5119..5223, 5120..5233, 5232..5324, 5244..5324, 5246..5329, 5415..5594, 5422..5604, 5422..5604		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o5.ts	Method	TBLASTX:Soybean
Start	4933	End	5609
GI	none	Score	54
Exons	4933..4989, 4934..4993, 4953..4994, 4966..5088, 4995..5114, 4996..5124, 5167..5202, 5177..5200, 5236..5262, 5243..5317, 5263..5334, 5277..5321, 5329..5355, 5333..5356, 5434..5601, 5435..5602, 5448..5609		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o9.tm	Method	TBLASTX:Maize
Start	5786	End	6172
GI	none	Score	291
Exons	5786..5806, 5790..6074, 5809..5934, 5810..5941, 5829..6077, 5987..6082, 6073..6162, 6076..6162, 6077..6172, 6077..6163		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o5.tm	Method	TBLASTX:Maize
Start	6253	End	6795
GI	none	Score	97
Exons	6253..6336, 6253..6306, 6254..6334, 6255..6335, 6336..6488,		

6337..6762, 6340..6768, 6561..6764, 6760..6795

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o1.tw	Method	TBLASTX:Wheat
Start	6423	End	6823
GI	none	Score	101
Exons	6423..6461, 6472..6540, 6479..6541, 6485..6541, 6500..6823, 6529..6822		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o2.tc	Method	TBLASTX:Cress
Start	6550	End	7547
GI	none	Score	704
Exons	6550..7179, 6551..7180, 6560..7180, 7050..7184, 7198..7269, 7199..7246, 7412..7531, 7444..7533, 7451..7528, 7452..7547, 7452..7538		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o2.ts	Method	TBLASTX:Soybean
Start	6774	End	7278
GI	none	Score	348
Exons	6774..7169, 6775..7176, 6776..7177, 6776..7177, 7083..7178, 7222..7278		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o10.tm	Method	TBLASTX:Maize
Start	7056	End	7313
GI	none	Score	163
Exons	7056..7169, 7056..7169, 7057..7170, 7058..7198, 7164..7256, 7166..7279, 7168..7278, 7169..7291, 7170..7289, 7252..7290, 7287..7313, 7288..7311, 7289..7312		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98519	Strand	-
Start	7060	End	7547
Name	OJ000126_11.0323.C5.o3.gp	Method	AAT/GAP
Start	7060	End	7175
GI	LIB3431-013-P1-K1-B3	Score	181
Exons	7060..7175		
GI Descrip.	'6002093/emb|X84149.1|CHZLRPS4G 9.0e-21 Zizania latifolia cloroplast rps4 gene for ribosomal protein S4'		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98520	Strand	
Start	7907	End	8923
Name	OJ000126_11.0323.C5.o4.tm	Method	TBLASTX:Maize
Start	7907	End	8898
GI	none	Score	78
Exons	7907..8020, 7939..8022, 8015..8176, 8017..8175, 8018..8188,		

8168..8398, 8169..8399, 8172..8408, 8173..8409, 8405..8440, 8408..8527, 8409..8438, 8432..8524, 8433..8531, 8443..8535, 8607..8654, 8614..8712, 8615..8713, 8708..8785, 8708..8785, 8709..8786, 8722..8790, 8783..8857, 8784..8894, 8784..8897, 8797..8898

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98520	Strand	
Start	7907	End	8923
Name	OJ000126_11.0323.C5.o9.ts	Method	TBLASTX:Soybean
Start	8260	End	8527
GI	none	Score	165
Exons	8260..8409, 8282..8443, 8299..8409, 8399..8449, 8405..8527, 8406..8522, 8431..8523		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98520	Strand	
Start	7907	End	8923
Name	OJ000126_11.0323.C5.o2.tw	Method	TBLASTX:Wheat
Start	8284	End	8546
GI	none	Score	176
Exons	8284..8472, 8291..8401, 8292..8408, 8388..8441, 8407..8448, 8460..8546, 8472..8546		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98520	Strand	
Start	7907	End	8923
Name	OJ000126_11.0323.C5.o11.tc	Method	TBLASTX:Cress
Start	8787	End	8923
GI	none	Score	133
Exons	8787..8903, 8790..8921, 8797..8910, 8797..8922, 8900..8923		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98521	Strand	
Start	9513	End	9948
Name	OJ000126_11.0323.C5.o6.tm	Method	TBLASTX:Maize
Start	9513	End	9948
GI	none	Score	68
Exons	9513..9563, 9513..9563, 9514..9564, 9562..9603, 9566..9604, 9632..9946, 9636..9947, 9847..9948		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98521	Strand	
Start	9513	End	9948
Name	OJ000126_11.0323.C5.o7.tc	Method	TBLASTX:Cress
Start	9719	End	9947
GI	none	Score	244
Exons	9719..9931, 9720..9944, 9720..9947		

Seq. No.	46421	Seq. ID	OJ000126_11.0323.C5
Gene No.	98521	Strand	
Start	9513	End	9948
Name	OJ000126_11.0323.C5.o7.ts	Method	TBLASTX:Soybean
Start	9771	End	9948
GI	none	Score	148
Exons	9771..9944, 9771..9947, 9772..9948		

Seq. No.	46422	Seq. ID	OJ000126_11.0323.C6
Gene No.	98522	Strand	-
Start	1	End	477
Name	OJ000126_11.0323.C6.o1.gp	Method	AAT/GAP
Start	1	End	243
GI	2409_1.R1084	Score	465
Exons	1..243		
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	46422	Seq. ID	OJ000126_11.0323.C6
Gene No.	98522	Strand	-
Start	1	End	477
Name	OJ000126_11.0323.C6.o3.tm	Method	TBLASTX:Maize
Start	6	End	477
GI	none	Score	54
Exons	6..59, 7..60, 53..79, 57..80, 110..172, 112..174, 127..174, 141..185, 146..268, 179..223, 181..228, 195..317, 202..303, 302..364, 303..362, 357..476, 359..385, 364..477, 366..476		

Seq. No.	46422	Seq. ID	OJ000126_11.0323.C6
Gene No.	98523	Strand	
Start	384	End	1193
Name	OJ000126_11.0323.C6.o2.ts	Method	TBLASTX:Soybean
Start	384	End	1054
GI	none	Score	137
Exons	384..488, 385..489, 386..505, 387..473, 388..474, 425..490, 449..535, 457..531, 469..543, 524..658, 542..571, 577..675, 593..667, 594..707, 660..731, 685..753, 713..745, 755..790, 755..790, 884..916, 885..914, 972..1043, 987..1046, 988..1044, 989..1054		

Seq. No.	46422	Seq. ID	OJ000126_11.0323.C6
Gene No.	98523	Strand	
Start	384	End	1193
Name	OJ000126_11.0323.C6.o2.tc	Method	TBLASTX:Cress
Start	406	End	962
GI	none	Score	88
Exons	406..474, 408..473, 425..475, 444..476, 469..531, 469..546, 470..541, 527..577, 605..667, 608..646, 654..878, 660..767, 752..817, 885..914, 924..962		

Seq. No.	46422	Seq. ID	OJ000126_11.0323.C6
Gene No.	98523	Strand	
Start	384	End	1193
Name	OJ000126_11.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	563	End	1193
GI	none	Score	470
Exons	563..895, 564..893, 843..896, 886..1077, 890..1081, 890..1081, 891..1082, 1071..1112, 1073..1138, 1128..1193		

Seq. No.	46422	Seq. ID	OJ000126_11.0323.C6
Gene No.	98524	Strand	

Start	1328	End	1937
Name	OJ000126_11.0323.C6.o1.tc	Method	TBLASTX:Cress
Start	1328	End	1937
GI	none	Score	75
Exons	1328..1498, 1422..1652, 1423..1662, 1488..1652, 1495..1656, 1583..1666, 1633..1935, 1654..1935, 1854..1937		

Seq. No.	46422	Seq. ID	OJ000126_11.0323.C6
Gene No.	98524	Strand	
Start	1328	End	1937
Name	OJ000126_11.0323.C6.o2.tm	Method	TBLASTX:Maize
Start	1361	End	1745
GI	none	Score	131
Exons	1361..1498, 1362..1691, 1401..1691, 1474..1692, 1583..1708, 1676..1744, 1698..1745		

Seq. No.	46422	Seq. ID	OJ000126_11.0323.C6
Gene No.	98524	Strand	
Start	1328	End	1937
Name	OJ000126_11.0323.C6.o1.ts	Method	TBLASTX:Soybean
Start	1422	End	1937
GI	none	Score	69
Exons	1422..1811, 1423..1929, 1424..1498, 1506..1934, 1513..1935, 1854..1937		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98525	Strand	+
Start	2029	End	2757
Name	OJ000126_11.0323.C7.o2.gp	Method	AAT/GAP
Start	2029	End	2757
GI	24824_1.R1084	Score	1386
Exons	2029..2757		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98526	Strand	+
Start	2854	End	3679
Name	OJ000126_11.0323.C7.o3.gp	Method	AAT/GAP
Start	2854	End	3679
GI	14384_1.R1084	Score	1358
Exons	2854..3565, 3651..3679		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98527	Strand	+
Start	5495	End	6118
Name	OJ000126_11.0323.C7.o4.gp	Method	AAT/GAP
Start	5495	End	6118
GI	7528_2.R1084	Score	1143
Exons	5495..6118		
GI Descrip.	'140291/sp|P12206|YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir__S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_ (X15901) ORF185 [Oryza sativa] >gi_226618_prf__1603356AQ ORF 185 [Oryza sativa]'		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98528	Strand	+
Start	7528	End	7939
Name	OJ000126_11.0323.C7.o6.gp	Method	AAT/GAP
Start	7528	End	7939
GI	uC-osf1M202092b08b1	Score	779
Exons	7528..7939		
GI Descrip.	'118048/sp|P07888|CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir__CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_ (X15901) cytochrome f [Oryza sativa] >gi_226621_prf__1603356AU cytochrome f [Oryza sativa]'		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o1.tc	Method	TBLASTX:Cress
Start	2	End	1286
GI	none	Score	883
Exons	2..1285, 3..623, 248..1039, 708..1286		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o8.tm	Method	TBLASTX:Maize
Start	1127	End	1380
GI	none	Score	261
Exons	1127..1306, 1128..1334, 1129..1338, 1329..1358, 1329..1358, 1363..1380		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o4.tw	Method	TBLASTX:Wheat
Start	1156	End	1588
GI	none	Score	215
Exons	1156..1305, 1156..1251, 1158..1295, 1256..1342, 1257..1367, 1302..1388, 1303..1377, 1366..1587, 1375..1554, 1379..1588		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o7.tm	Method	TBLASTX:Maize
Start	1713	End	2022
GI	none	Score	186
Exons	1713..1835, 1717..1836, 1812..1922, 1823..1900, 1825..1920, 1826..1930, 1895..2020, 1897..2022, 1939..2022		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o2.tw	Method	TBLASTX:Wheat
Start	1756	End	2441
GI	none	Score	203
Exons	1756..1917, 1758..1901, 1875..1973, 1904..1966, 1929..2003, 1967..2395, 1987..2439, 1987..2439, 2016..2441		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o2.ts	Method	TBLASTX:Soybean
Start	1996	End	2699
GI	none	Score	1013
Exons	1996..2682, 1996..2697, 2019..2699, 2184..2699		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o3.tc	Method	TBLASTX:Cress
Start	2005	End	2481
GI	none	Score	41
Exons	2005..2037, 2039..2389, 2040..2462, 2041..2481, 2044..2481		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o2.tm	Method	TBLASTX:Maize
Start	2023	End	2769
GI	none	Score	1078
Exons	2023..2721, 2035..2715, 2456..2743, 2730..2768, 2730..2768, 2734..2769		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o6.tw	Method	TBLASTX:Wheat
Start	2442	End	2624
GI	none	Score	319
Exons	2442..2624, 2443..2622		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o1.tw	Method	TBLASTX:Wheat
Start	2766	End	3518
GI	none	Score	926
Exons	2766..3512, 2767..3468, 2772..3518		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o9.tm	Method	TBLASTX:Maize
Start	2771	End	3060
GI	none	Score	205
Exons	2771..3055, 2772..3059, 2776..3054, 2778..3059, 2791..3060		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o7.tc	Method	TBLASTX:Cress
Start	3003	End	3150
GI	none	Score	156
Exons	3003..3125, 3004..3150, 3005..3139		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o5.tm	Method	TBLASTX:Maize
Start	3113	End	3649
GI	none	Score	310
Exons	3113..3472, 3122..3328, 3135..3482, 3138..3482, 3590..3649, 3594..3647		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o5.tc	Method	TBLASTX:Cress
Start	3233	End	3502
GI	none	Score	353
Exons	3233..3364, 3234..3500, 3234..3500, 3401..3502		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o11.tm	Method	TBLASTX:Maize
Start	3789	End	4534
GI	none	Score	52
Exons	3789..3821, 3791..3841, 3791..3826, 3816..3848, 3816..3848, 3834..3938, 3834..3920, 3848..3940, 4472..4534		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o3.ts	Method	TBLASTX:Soybean
Start	4538	End	7357
GI	none	Score	140
Exons	4538..4759, 4597..4716, 5219..5356, 5221..5310, 5231..5317, 5232..5318, 5678..5839, 5683..5823, 5827..6030, 5835..5876, 5861..6076, 5861..6073, 6096..6158, 6099..6158, 6107..6163, 6185..6244, 6185..6262, 6558..6617, 6570..6623, 6572..6628, 6650..7063, 6654..7349, 6655..7101, 6680..7357		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o6.tm	Method	TBLASTX:Maize
Start	5173	End	5603
GI	none	Score	273
Exons	5173..5352, 5179..5352, 5355..5453, 5356..5454, 5356..5469, 5442..5519, 5450..5521, 5453..5521, 5455..5541, 5478..5522, 5489..5587, 5489..5587, 5511..5588, 5514..5603, 5518..5589		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o2.tc	Method	TBLASTX:Cress
Start	5684	End	7024
GI	none	Score	699
Exons	5684..6169, 5686..6174, 5687..6175, 6109..6177, 6156..6245, 6161..6244, 6646..7005, 6647..7024, 6651..7022		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o3.tm	Method	TBLASTX:Maize
Start	5842	End	6439
GI	none	Score	46
Exons	5842..5874, 5843..5875, 5853..6260, 5858..6262, 5861..6262, 6348..6371, 6349..6372, 6368..6415, 6370..6414, 6407..6439, 6411..6431		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98530	Strand	-
Start	6122	End	7357
Name	OJ000126_11.0323.C7.o5.gp	Method	AAT/GAP
Start	6122	End	6658
GI	2653_1.R1084	Score	1043
Exons	6122..6658		
GI Descrip.	'11998/emb|CAA33959| 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf__1603356AR ORF 85A [Oryza sativa]'		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98531	Strand	
Start	7262	End	7938
Name	OJ000126_11.0323.C7.o4.tc	Method	TBLASTX:Cress
Start	7262	End	7938
GI	none	Score	91
Exons	7262..7342, 7263..7334, 7578..7787, 7584..7937, 7585..7938		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98531	Strand	
Start	7262	End	7938
Name	OJ000126_11.0323.C7.o5.tw	Method	TBLASTX:Wheat
Start	7353	End	7779
GI	none	Score	39
Exons	7353..7379, 7354..7389, 7355..7393, 7383..7454, 7384..7503, 7399..7524, 7439..7651, 7457..7621, 7459..7650, 7551..7652, 7654..7779, 7657..7776, 7659..7778		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98531	Strand	
Start	7262	End	7938
Name	OJ000126_11.0323.C7.o4.tm	Method	TBLASTX:Maize
Start	7405	End	7885
GI	none	Score	58
Exons	7405..7443, 7407..7451, 7440..7787, 7441..7884, 7445..7885		

Seq. No.	46423	Seq. ID	OJ000126_11.0323.C7
Gene No.	98531	Strand	
Start	7262	End	7938
Name	OJ000126_11.0323.C7.o4.ts	Method	TBLASTX:Soybean
Start	7578	End	7938
GI	none	Score	202
Exons	7578..7787, 7584..7937, 7585..7938		

Seq. No.	46424	Seq. ID	OJ000126_11.0323.C8
Gene No.	98532	Strand	

Start	468	End	805
Name	OJ000126_11.0323.C8.o2.tc	Method	TBLASTX:Cress
Start	468	End	805
GI	none	Score	273
Exons	468..713, 471..713, 752..805, 753..803		

Seq. No.	46424	Seq. ID	OJ000126_11.0323.C8
Gene No.	98532	Strand	
Start	468	End	805
Name	OJ000126_11.0323.C8.o1.tm	Method	TBLASTX:Maize
Start	522	End	805
GI	none	Score	364
Exons	522..737, 522..776, 523..765, 737..805, 738..803, 739..804		

Seq. No.	46424	Seq. ID	OJ000126_11.0323.C8
Gene No.	98533	Strand	
Start	758	End	1859
Name	OJ000126_11.0323.C8.o1.tw	Method	TBLASTX:Wheat
Start	758	End	1199
GI	none	Score	669
Exons	758..1183, 759..1199		

Seq. No.	46424	Seq. ID	OJ000126_11.0323.C8
Gene No.	98533	Strand	
Start	758	End	1859
Name	OJ000126_11.0323.C8.o1.tc	Method	TBLASTX:Cress
Start	844	End	1423
GI	none	Score	89
Exons	844..897, 845..901, 846..902, 846..902, 900..1031, 903..1031, 904..1032, 905..1033, 1034..1315, 1037..1303, 1038..1316, 1039..1311, 1039..1320, 1315..1347, 1319..1348, 1364..1423, 1372..1416		

Seq. No.	46424	Seq. ID	OJ000126_11.0323.C8
Gene No.	98533	Strand	
Start	758	End	1859
Name	OJ000126_11.0323.C8.o3.tm	Method	TBLASTX:Maize
Start	1264	End	1415
GI	none	Score	89
Exons	1264..1317, 1264..1311, 1265..1333, 1312..1368, 1317..1373, 1319..1369, 1367..1414, 1371..1415, 1374..1415		

Seq. No.	46424	Seq. ID	OJ000126_11.0323.C8
Gene No.	98533	Strand	
Start	758	End	1859
Name	OJ000126_11.0323.C8.o2.tw	Method	TBLASTX:Wheat
Start	1277	End	1677
GI	none	Score	86
Exons	1277..1351, 1278..1328, 1279..1329, 1298..1369, 1309..1368, 1323..1370, 1367..1510, 1368..1505, 1368..1511, 1369..1512, 1492..1584, 1506..1652, 1531..1674, 1552..1677		

Seq. No.	46424	Seq. ID	OJ000126_11.0323.C8
Gene No.	98533	Strand	
Start	758	End	1859
Name	OJ000126_11.0323.C8.o2.tm	Method	TBLASTX:Maize
Start	1451	End	1859

GI	none	Score	58
Exons	1451..1522, 1469..1522, 1473..1529, 1474..1527, 1502..1594, 1534..1590, 1588..1629, 1601..1666, 1606..1668, 1609..1671, 1675..1752, 1676..1747, 1759..1851, 1782..1859, 1784..1846, 1785..1859		

Seq. No.	46425	Seq. ID	OJ000126_11.0323.C9
Gene No.	98534	Strand	+
Start	237	End	759
Name	OJ000126_11.0323.C9.o1.gp	Method	AAT/GAP
Start	237	End	759
GI	uC-osflm202104g03b1	Score	1026
Exons	237..759		
GI Descrip.	'131211/sp|P19443|PSAJ_MAIZE 6.0e-10 PHOTOSYSTEM I REACTION CENTRE SUBUNIT IX (PSI-J) >gi_1363533_pir__S58571 photosystem I protein psaJ - maize chloroplast >gi_552734 (J04502) ORF42 [Zea mays] >gi_902241_emb_CAA60305_ (X86563) psaJ [Zea mays]'		

Seq. No.	46425	Seq. ID	OJ000126_11.0323.C9
Gene No.	98535	Strand	+
Start	4303	End	4431
Name	OJ000126_11.0323.C9.o3.gp	Method	AAT/GAP
Start	4303	End	4431
GI	LIB3432-057-P1-K1-A8	Score	169
Exons	4303..4431		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-52 Rice complete chloroplast genome'		

Seq. No.	46425	Seq. ID	OJ000126_11.0323.C9
Gene No.	98536	Strand	-
Start	3074	End	4077
Name	OJ000126_11.0323.C9.o1.tw	Method	TBLASTX:Wheat
Start	134	End	522
GI	none	Score	83
Exons	134..193, 135..212, 176..214, 237..485, 241..507, 247..522		

Seq. No.	46425	Seq. ID	OJ000126_11.0323.C9
Gene No.	98536	Strand	-
Start	3074	End	4077
Name	OJ000126_11.0323.C9.o2.tm	Method	TBLASTX:Maize
Start	219	End	534
GI	none	Score	380
Exons	219..527, 219..527, 220..534, 220..534		

Seq. No.	46425	Seq. ID	OJ000126_11.0323.C9
Gene No.	98536	Strand	-
Start	3074	End	4077
Name	OJ000126_11.0323.C9.o3.ts	Method	TBLASTX:Soybean
Start	293	End	1656
GI	none	Score	168
Exons	293..400, 295..447, 295..447, 843..1007, 853..1083, 861..1082, 866..1096, 880..1083, 1346..1417, 1348..1410, 1354..1398, 1405..1467, 1477..1647, 1479..1643, 1479..1652, 1495..1656		

Seq. No.	46425	Seq. ID	OJ000126_11.0323.C9
Gene No.	98536	Strand	-
Start	3074	End	4077

Name	OJ000126_11.0323.C9.o4.tc	Method	TBLASTX:Cress
Start	296	End	456
GI	none	Score	165
Exons	296..400, 297..443, 298..447, 298..456		

Seq. No.	46425	Seq. ID	OJ000126_11.0323.C9
Gene No.	98536	Strand	-
Start	3074	End	4077
Name	OJ000126_11.0323.C9.o4.tm	Method	TBLASTX:Maize
Start	707	End	1054
GI	none	Score	94
Exons	707..775, 717..800, 807..1016, 818..1054, 850..1050, 860..1054		

Seq. No.	46425	Seq. ID	OJ000126_11.0323.C9
Gene No.	98536	Strand	-
Start	3074	End	4077
Name	OJ000126_11.0323.C9.o2.tc	Method	TBLASTX:Cress
Start	866	End	1799
GI	none	Score	280
Exons	866..1084, 883..1083, 1351..1398, 1375..1467, 1479..1643, 1479..1643, 1495..1656, 1701..1799		

Seq. No.	46425	Seq. ID	OJ000126_11.0323.C9
Gene No.	98536	Strand	-
Start	3074	End	4077
Name	OJ000126_11.0323.C9.o3.tc	Method	TBLASTX:Cress
Start	2398	End	2975
GI	none	Score	37
Exons	2398..2427, 2464..2499, 2467..2496, 2489..2548, 2502..2549, 2585..2671, 2586..2660, 2587..2661, 2676..2714, 2676..2714, 2677..2775, 2678..2821, 2760..2822, 2858..2902, 2861..2902, 2931..2975		

Seq. No.	46425	Seq. ID	OJ000126_11.0323.C9
Gene No.	98536	Strand	-
Start	3074	End	4077
Name	OJ000126_11.0323.C9.o2.ts	Method	TBLASTX:Soybean
Start	2494	End	3542
GI	none	Score	73
Exons	2494..2544, 2502..2552, 2578..2619, 2582..2659, 2583..2609, 2621..2665, 2655..2723, 2676..2720, 2677..2730, 2720..2785, 2726..2818, 2727..2819, 2760..2831, 2914..2979, 2914..2973, 2921..2974, 3026..3187, 3029..3205, 3031..3207, 3054..3188, 3190..3234, 3208..3234, 3385..3540, 3385..3540, 3393..3542		

Seq. No.	46425	Seq. ID	OJ000126_11.0323.C9
Gene No.	98536	Strand	-
Start	3074	End	4077
Name	OJ000126_11.0323.C9.o5.tm	Method	TBLASTX:Maize
Start	2882	End	3073
GI	none	Score	62
Exons	2882..2911, 2885..2911, 2887..2913, 2887..2913, 2913..3008, 2915..3010, 2917..3009, 3009..3071, 3010..3072, 3010..3072, 3011..3073, 3011..3073		

Seq. No.	46425	Seq. ID	OJ000126_11.0323.C9
Gene No.	98536	Strand	-

Start	3074	End	4077
Name	OJ000126_11.0323.C9.o1.tm	Method	TBLASTX:Maize
Start	3074	End	4077
GI	none	Score	230
Exons	3074..3205, 3074..3205, 3075..3206, 3193..3237, 3199..3237, 3238..3261, 3239..3265, 3268..4077, 3274..4056		

Seq. No.	46425	Seq. ID	OJ000126_11.0323.C9
Gene No.	98536	Strand	-
Start	3074	End	4077
Name	OJ000126_11.0323.C9.o2.gp	Method	AAT/GAP
Start	3074	End	3241
GI	LIB3431-017-P1-K1-H4	Score	283
Exons	3074..3241		
GI Descrip.	'1173189/sp|P12340|RR12_MAIZE 8.0e-18 CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 >gi_2119091_pir__S58629 ribosomal protein S12 - maize chloroplast >gi_342619 (M17841) ribosomal protein S12 [Zea mays] >gi_1216141_emb_CAA60309_ (X86563) ribosomal protein S12 [Zea mays]'		

Seq. No.	46425	Seq. ID	OJ000126_11.0323.C9
Gene No.	98536	Strand	-
Start	3074	End	4077
Name	OJ000126_11.0323.C9.o1.ts	Method	TBLASTX:Soybean
Start	3544	End	4034
GI	none	Score	374
Exons	3544..3972, 3554..3973, 3555..3992, 3801..3992, 4011..4034		

Seq. No.	46425	Seq. ID	OJ000126_11.0323.C9
Gene No.	98536	Strand	-
Start	3074	End	4077
Name	OJ000126_11.0323.C9.o1.tc	Method	TBLASTX:Cress
Start	3562	End	3992
GI	none	Score	351
Exons	3562..3972, 3563..3973, 3606..3992		

Seq. No.	46425	Seq. ID	OJ000126_11.0323.C9
Gene No.	98537	Strand	
Start	4290	End	4580
Name	OJ000126_11.0323.C9.o3.tm	Method	TBLASTX:Maize
Start	4290	End	4580
GI	none	Score	167
Exons	4290..4406, 4290..4406, 4291..4410, 4291..4419, 4397..4579, 4410..4580		

Seq. No.	46426	Seq. ID	OJ000126_11.0323.C10
Gene No.	98538	Strand	+
Start	843	End	987
Name	OJ000126_11.0323.C10.o1.tc	Method	TBLASTX:Cress
Start	1	End	382
GI	none	Score	317
Exons	1..378, 1..162, 2..382, 2..382		

Seq. No.	46426	Seq. ID	OJ000126_11.0323.C10
Gene No.	98538	Strand	+
Start	843	End	987
Name	OJ000126_11.0323.C10.o2.tc	Method	TBLASTX:Cress

Start	467	End	987
GI	none	Score	75
Exons	467..550, 470..547, 472..552, 664..756, 815..949, 843..986,	584..664, 584..664, 663..785, 843..980, 844..987, 847..987	

Seq. No.	46426	Seq. ID	OJ000126_11.0323.C10
Gene No.	98538	Strand	+
Start	843	End	987
Name	OJ000126_11.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	842	End	987
GI	none	Score	246
Exons	842..985, 843..986, 844..987,	847..987	

Seq. No.	46426	Seq. ID	OJ000126_11.0323.C10
Gene No.	98538	Strand	+
Start	843	End	987
Name	OJ000126_11.0323.C10.o1.gp	Method	AAT/GAP
Start	843	End	987
GI	LIB3432-021-P1-K1-D12	Score	234
Exons	843..987		
GI Descrip.	'131375/sp|P12171|PSBN_ORYSA 2.0e-11 PHOTOSYSTEM II REACTION CENTER N PROTEIN >gi_72720_pir__F2RZN photosystem II protein psbN - rice chloroplast >gi_82632_pir__S14142 photosystem II protein psbN - wheat chloroplast >gi_100123_pir__S12130 photosystem II protein psbN - Appalachian evening primrose chloroplast >gi_100737_pir__JN0417 photosystem II protein psbN - rye chloroplast'		

Seq. No.	46426	Seq. ID	OJ000126_11.0323.C10
Gene No.	98538	Strand	+
Start	843	End	987
Name	OJ000126_11.0323.C10.o1.ts	Method	TBLASTX:Soybean
Start	843	End	987
GI	none	Score	194
Exons	843..980, 844..987, 847..987		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98539	Strand	+
Start	735	End	1241
Name	OJ000126_11.0323.C11.o3.gp	Method	AAT/GAP
Start	735	End	1241
GI	uC-osf1cyp011b01b1	Score	987
Exons	735..1241		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa] >gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98540	Strand	+
Start	7261	End	8365
Name	OJ000126_11.0323.C11.o8.gp	Method	AAT/GAP
Start	7261	End	8365
GI	2291_1.R1084	Score	2153
Exons	7261..8365		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3		

[Oryza sativa]'

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98541	Strand	+
Start	8380	End	9852
Name	OJ000126_11.0323.C11.o9.gp	Method	AAT/GAP
Start	8380	End	9852
GI	3073_1.R1084	Score	2931
Exons	8380..9852		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98542	Strand	-
Start	1	End	285
Name	OJ000126_11.0323.C11.o1.gp	Method	AAT/GAP
Start	1	End	285
GI	uC-osflcyp003h11b1	Score	538
Exons	1..285		
GI Descrip.	'131332/sp|P09449|PSBH_ORYSA 1.0e-09 PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN >gi_72716_pir__F2RZ0P photosystem II phosphoprotein psbH - rice chloroplast >gi_11953_emb_CAA31204_ (X12695) 10 kD phosphoprotein (AA 1 - 73) [Oryza sativa] >gi_12016_emb_CAA33976_ (X15901) PSII 10kDa phosphoprotein [Oryza sativa] >gi_226635_prf__1603356BJ photosystem II 10kD phosphoprotein [Oryza sativa]'		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98543	Strand	-
Start	415	End	578
Name	OJ000126_11.0323.C11.o2.gp	Method	AAT/GAP
Start	415	End	578
GI	uC-osflcyp084g07a1	Score	201
Exons	415..578		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-38 Rice complete chloroplast genome'		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98544	Strand	-
Start	3716	End	4281
Name	OJ000126_11.0323.C11.o4.gp	Method	AAT/GAP
Start	3716	End	4281
GI	2798177	Score	1010
Exons	3716..4281		
GI Descrip.	5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98545	Strand	-
Start	5064	End	5454
Name	OJ000126_11.0323.C11.o5.gp	Method	AAT/GAP
Start	5064	End	5454
GI	5003883	Score	782
Exons	5064..5454		

GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-166 Rice complete chloroplast genome		
Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98546	Strand	-
Start	6025	End	6610
Name	OJ000126_11.0323.C11.o6.gp	Method	AAT/GAP
Start	6025	End	6610
GI	481_1.R1084	Score	1023
Exons	6025..6610		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		
Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o12.tm	Method	TBLASTX:Maize
Start	2	End	238
GI	none	Score	71
Exons	2..46, 3..47, 34..84, 34..84, 35..85, 75..206, 86..118, 90..170, 164..205, 212..238		
Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o2.ts	Method	TBLASTX:Soybean
Start	368	End	1614
GI	none	Score	57
Exons	368..412, 414..467, 416..466, 474..512, 476..508, 793..837, 794..856, 794..853, 833..1549, 845..1366, 883..1548, 1578..1607, 1579..1614		
Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o2.tc	Method	TBLASTX:Cress
Start	872	End	1752
GI	none	Score	1110
Exons	872..1366, 875..1522, 877..1539, 883..1521, 1575..1646, 1577..1645, 1580..1654, 1698..1751, 1698..1751, 1714..1752		
Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o6.tm	Method	TBLASTX:Maize
Start	878	End	1522
GI	none	Score	967
Exons	878..1522, 881..1348, 940..1521		
Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o11.tm	Method	TBLASTX:Maize
Start	1688	End	1929

GI	none	Score	290
Exons	1688..1882, 1689..1880, 1884..1928, 1885..1926, 1885..1929		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o4.ts	Method	TBLASTX:Soybean
Start	1837	End	3399
GI	none	Score	75
Exons	1837..1929, 1837..1956, 1932..2078, 1988..2077, 2094..2120, 2197..2244, 2203..2244, 2356..2811, 2374..2943, 2381..2920, 2381..2947, 2391..2945, 2851..2949, 2968..3048, 2991..3047, 3203..3379, 3205..3399		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o10.tc	Method	TBLASTX:Cress
Start	2373	End	2620
GI	none	Score	367
Exons	2373..2468, 2374..2619, 2387..2620		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o12.tc	Method	TBLASTX:Cress
Start	2621	End	2826
GI	none	Score	316
Exons	2621..2824, 2621..2824, 2623..2826		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o13.tc	Method	TBLASTX:Cress
Start	3226	End	3668
GI	none	Score	36
Exons	3226..3291, 3277..3315, 3282..3320, 3332..3376, 3419..3655, 3428..3655, 3474..3668, 3526..3657, 3537..3668		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o3.ts	Method	TBLASTX:Soybean
Start	3419	End	4183
GI	none	Score	523
Exons	3419..4129, 3419..4183, 3426..4154, 3490..4176		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o7.tm	Method	TBLASTX:Maize
Start	3617	End	4091
GI	none	Score	662
Exons	3617..4090, 3618..4091		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-

Start	6915	End	12079
Name	OJ000126_11.0323:C11:o4.tc	Method	TBLASTX:Cress
Start	3911	End	4498
GI	none	Score	295
Exons	3911..4183, 3915..4154, 4166..4225, 4198..4242, 4198..4242, 4225..4398, 4231..4365, 4239..4400, 4239..4409, 4268..4423, 4400..4498, 4401..4496, 4402..4497		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o13.tm	Method	TBLASTX:Maize
Start	4099	End	4361
GI	none	Score	51
Exons	4099..4173, 4118..4177, 4119..4157, 4120..4173, 4227..4355, 4240..4356, 4240..4356, 4242..4361, 4268..4360		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o8.tm	Method	TBLASTX:Maize
Start	4378	End	4665
GI	none	Score	188
Exons	4378..4491, 4379..4495, 4379..4495, 4493..4663, 4494..4664, 4495..4665, 4496..4663		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o7.ts	Method	TBLASTX:Soybean
Start	4453	End	4705
GI	none	Score	91
Exons	4453..4545, 4454..4624, 4463..4624, 4604..4705, 4605..4697, 4609..4698		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o1.tm	Method	TBLASTX:Maize
Start	4666	End	6183
GI	none	Score	38
Exons	4666..4698, 4667..4717, 4690..4773, 4710..4772, 4729..4800, 4784..4801, 4818..5057, 4821..5042, 4840..5058, 5064..5342, 5065..5343, 5081..5344, 5085..5345, 5093..5143, 5117..5395, 5128..5406, 5350..5391, 5351..5389, 5353..5433, 5441..5485, 5446..5499, 5448..5498, 5517..5600, 5518..6165, 5518..6048, 5537..6181, 5748..6182, 6121..6183		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o8.ts	Method	TBLASTX:Soybean
Start	5150	End	5339
GI	none	Score	174
Exons	5150..5335, 5151..5339		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11

Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o3.tw	Method	TBLASTX:Wheat
Start	5441	End	5899
GI	none	Score	45
Exons	5441..5485, 5447..5485, 5448..5498, 5496..5516, 5517..5597, 5518..5892, 5537..5890, 5537..5899, 5622..5891		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o1.ts	Method	TBLASTX:Soybean
Start	5530	End	11235
GI	none	Score	158
Exons	5530..5694, 5530..5742, 5537..5746, 5537..5764, 5737..5943, 5753..5944, 5757..6065, 5759..5980, 5978..6004, 6021..6086, 6072..6374, 6083..6373, 6192..6386, 6362..6463, 6369..6488, 6549..6782, 6565..6927, 6565..6960, 6579..6968, 6584..6970, 6831..6965, 8193..8333, 8194..8574, 8195..8563, 8578..8685, 8748..8882, 8749..8898, 8749..8898, 8808..8903, 8893..8922, 9503..9655, 9507..9740, 9517..9741, 9517..9741, 9745..9771, 9746..9769, 9966..10310, 10019..10309, 10020..10349, 10075..10314, 10255..10464, 10282..10479, 10382..10480, 10451..10597, 10466..10564, 10556..10600, 10558..10599, 10559..10600, 10600..10779, 10602..10778, 10603..10830, 10784..10861, 10785..10862, 10840..11235, 10854..11147		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o5.tc	Method	TBLASTX:Cress
Start	5530	End	6050
GI	none	Score	156
Exons	5530..5742, 5533..5703, 5537..5734, 5737..5946, 5750..5944, 5759..5953, 5764..5952, 5968..6009, 5969..6001, 6012..6050		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o7.tw	Method	TBLASTX:Wheat
Start	5971	End	6335
GI	none	Score	60
Exons	5971..6006, 5972..6010, 5980..6048, 5990..6046, 5992..6048, 6057..6335, 6057..6332, 6074..6334		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o9.tc	Method	TBLASTX:Cress
Start	6076	End	6463
GI	none	Score	114
Exons	6076..6276, 6077..6280, 6084..6281, 6281..6328, 6281..6373, 6282..6374, 6349..6381, 6362..6463, 6369..6461		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079

Name	OJ000126_11.0323.C11.o5.tm	Method	TBLASTX:Maize
Start	6224	End	8063
GI	none	Score	75
Exons	6224..6268, 6225..6269, 6269..6970, 6270..6965, 8007..8063		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o5.tw	Method	TBLASTX:Wheat
Start	6488	End	6879
GI	none	Score	80
Exons	6488..6541, 6490..6540, 6492..6545, 6495..6878, 6496..6879		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o6.tc	Method	TBLASTX:Cress
Start	6497	End	6970
GI	none	Score	48
Exons	6497..6529, 6603..6668, 6648..6968, 6649..6924, 6659..6970, 6663..6962		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o8.tw	Method	TBLASTX:Wheat
Start	6911	End	7316
GI	none	Score	131
Exons	6911..6985, 6912..6986, 6956..7081, 6982..7086, 6986..7081, 6991..7116, 7100..7123, 7102..7125, 7124..7171, 7156..7236, 7167..7229, 7283..7315, 7284..7316		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o7.gp	Method	AAT/GAP
Start	6915	End	7178
GI	LIB3432-015-P1-K1-H8	Score	450
Exons	6915..7178		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-129 Rice complete chloroplast genome'		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o9.tm	Method	TBLASTX:Maize
Start	7280	End	7603
GI	none	Score	352
Exons	7280..7528, 7281..7529, 7288..7599, 7291..7584, 7535..7603		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o7.tc	Method	TBLASTX:Cress
Start	7319	End	8553
GI	none	Score	49
Exons	7319..7360, 7327..7347, 7379..7441, 7397..7441, 7434..7523,		

7435..7524, 7438..7530, 7651..7677, 7673..7717, 7826..7888, 7999..8040, 8010..8057, 8130..8372, 8137..8508, 8179..8553, 8180..8536

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o4.tw	Method	TBLASTX:Wheat
Start	7403	End	8037
GI	none	Score	202
Exons	7403..7561, 7404..7553, 7405..7581, 7528..7614, 7529..7615, 7538..7612, 7600..7713, 7609..7716, 7614..7721, 7723..7932, 7731..7910, 7790..7960, 7800..7970, 7814..7960, 7990..8037, 8004..8036		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o10.tm	Method	TBLASTX:Maize
Start	7644	End	7967
GI	none	Score	59
Exons	7644..7673, 7645..7680, 7645..7677, 7670..7711, 7670..7717, 7674..7772, 7675..7932, 7675..7845, 7802..7960, 7803..7910, 7806..7967, 7814..7948, 7900..7959		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o2.tm	Method	TBLASTX:Maize
Start	8107	End	9869
GI	none	Score	37
Exons	8107..8139, 8116..8688, 8118..8336, 8131..8529, 8138..8686, 8581..8688, 8641..8919, 8683..8922, 8902..9360, 8914..9360, 9308..9421, 9352..9426, 9369..9425, 9371..9475, 9440..9658, 9459..9773, 9468..9737, 9475..9774, 9704..9778, 9710..9778, 9739..9828, 9765..9824, 9767..9868, 9780..9869		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o1.tw	Method	TBLASTX:Wheat
Start	8589	End	9354
GI	none	Score	137
Exons	8589..8684, 8590..8922, 8590..8919, 8953..9351, 8959..9354		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o8.tc	Method	TBLASTX:Cress
Start	8784	End	9300
GI	none	Score	129
Exons	8784..8882, 8785..8895, 8792..8896, 8799..8897, 8946..9053, 8968..9264, 8977..9300		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079

Name	OJ000126_11.0323.C11.o6.ts	Method	TBLASTX:Soybean
Start	8975	End	9303
GI	none	Score	137
Exons	8975..9265, 8977..9303, 8989..9270		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o3.tc	Method	TBLASTX:Cress
Start	9642	End	10530
GI	none	Score	92
Exons	9642..9740, 9643..9741, 9645..9734, 9880..9930, 9881..9931, 9881..9958, 9882..9938, 9883..9948, 9932..9961, 9932..9961, 10018..10185, 10020..10187, 10020..10190, 10075..10191, 10201..10449, 10205..10444, 10213..10530, 10382..10450		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o3.tm	Method	TBLASTX:Maize
Start	10051	End	10880
GI	none	Score	1254
Exons	10051..10872, 10052..10873, 10075..10875, 10509..10880		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o6.tw	Method	TBLASTX:Wheat
Start	10191	End	10498
GI	none	Score	365
Exons	10191..10466, 10191..10496, 10192..10497, 10192..10497, 10382..10498		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o1.tc	Method	TBLASTX:Cress
Start	10785	End	12003
GI	none	Score	251
Exons	10785..10955, 10786..10959, 10786..10980, 10862..10993, 10980..11096, 10981..11100, 11104..11313, 11106..11819, 11109..11819, 11806..11904, 11816..11911, 11824..11910, 11838..11912, 11913..11993, 11917..12003, 11918..12001		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o4.tm	Method	TBLASTX:Maize
Start	11104	End	11879
GI	none	Score	304
Exons	11104..11313, 11106..11354, 11109..11354, 11183..11356, 11290..11355, 11349..11879, 11358..11879		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o5.ts	Method	TBLASTX:Soybean

Start	11236	End	11813
GI	none	Score	107
Exons	11236..11313, 11238..11813, 11241..11807		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o2.tw	Method	TBLASTX:Wheat
Start	11475	End	11851
GI	none	Score	598
Exons	11475..11849, 11475..11849, 11476..11850, 11476..11850, 11549..11851		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98547	Strand	-
Start	6915	End	12079
Name	OJ000126_11.0323.C11.o9.tw	Method	TBLASTX:Wheat
Start	11852	End	12079
GI	none	Score	104
Exons	11852..11911, 11854..11910, 11918..12079, 11933..12079		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98548	Strand	
Start	12233	End	12641
Name	OJ000126_11.0323.C11.o11.tc	Method	TBLASTX:Cress
Start	12233	End	12641
GI	none	Score	61
Exons	12233..12277, 12237..12272, 12264..12425, 12278..12427, 12279..12425, 12412..12507, 12422..12508, 12422..12535, 12423..12509, 12510..12641, 12512..12592, 12519..12599		

Seq. No.	46427	Seq. ID	OJ000126_11.0323.C11
Gene No.	98549	Strand	
Start	12589	End	12768
Name	OJ000126_11.0323.C11.o9.ts	Method	TBLASTX:Soybean
Start	12589	End	12768
GI	none	Score	52
Exons	12589..12618, 12591..12614, 12624..12764, 12627..12764, 12628..12768		

Seq. No.	46428	Seq. ID	OJ000126_11.0323.C12
Gene No.	98550	Strand	+
Start	3291	End	4910
Name	OJ000126_11.0323.C12.o2.tw	Method	TBLASTX:Wheat
Start	718	End	1204
GI	none	Score	92
Exons	718..795, 718..795, 719..796, 796..840, 797..853, 797..853, 828..908, 833..910, 835..912, 844..906, 860..925, 870..938, 871..912, 898..918, 923..973, 923..964, 924..1016, 924..974, 963..1202, 963..1202, 970..1203, 1022..1204		

Seq. No.	46428	Seq. ID	OJ000126_11.0323.C12
Gene No.	98550	Strand	+
Start	3291	End	4910
Name	OJ000126_11.0323.C12.o2.ts	Method	TBLASTX:Soybean
Start	999	End	1492
GI	none	Score	684

Exons	999..1490, 1009..1407, 1011..1490, 1157..1492, 1370..1492		
Seq. No.	46428	Seq. ID	OJ000126_11.0323.C12
Gene No.	98550	Strand	+
Start	3291	End	4910
Name	OJ000126_11.0323.C12.o5.ts	Method	TBLASTX:Soybean
Start	2698	End	2924
GI	none	Score	347
Exons	2698..2922, 2698..2922, 2700..2924		
Seq. No.	46428	Seq. ID	OJ000126_11.0323.C12
Gene No.	98550	Strand	+
Start	3291	End	4910
Name	OJ000126_11.0323.C12.o3.ts	Method	TBLASTX:Soybean
Start	2925	End	3377
GI	none	Score	448
Exons	2925..3242, 2926..3243, 2929..3243, 2957..3244, 3230..3307, 3247..3306, 3260..3376, 3262..3375, 3291..3377, 3291..3377		
Seq. No.	46428	Seq. ID	OJ000126_11.0323.C12
Gene No.	98550	Strand	+
Start	3291	End	4910
Name	OJ000126_11.0323.C12.o1.gp	Method	AAT/GAP
Start	3291	End	4112
GI	183_1.R1084	Score	1603
Exons	3291..4112		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		
Seq. No.	46428	Seq. ID	OJ000126_11.0323.C12
Gene No.	98550	Strand	+
Start	3291	End	4910
Name	OJ000126_11.0323.C12.o3.tm	Method	TBLASTX:Maize
Start	3322	End	3446
GI	none	Score	132
Exons	3322..3408, 3323..3409, 3327..3425, 3327..3446		
Seq. No.	46428	Seq. ID	OJ000126_11.0323.C12
Gene No.	98550	Strand	+
Start	3291	End	4910
Name	OJ000126_11.0323.C12.o2.tm	Method	TBLASTX:Maize
Start	3460	End	3814
GI	none	Score	564
Exons	3460..3777, 3461..3814, 3463..3813		
Seq. No.	46428	Seq. ID	OJ000126_11.0323.C12
Gene No.	98550	Strand	+
Start	3291	End	4910
Name	OJ000126_11.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	3490	End	4214
GI	none	Score	59
Exons	3490..3537, 3493..3534, 3533..3763, 3537..3782, 3538..3777,		

3788..4096, 3789..4034, 3835..4035, 4032..4094, 4051..4095, 4087..4209, 4089..4214, 4089..4214

Seq. No.	46428	Seq. ID	OJ000126_11.0323.C12
Gene No.	98550	Strand	+
Start	3291	End	4910
Name	OJ000126_11.0323.C12.o2.tc	Method	TBLASTX:Cress
Start	3502	End	4024
GI	none	Score	47
Exons	3502..3537, 3503..3541, 3505..3534, 3533..3763, 3537..3782, 3538..3765, 3539..3790, 3787..3909, 3788..3901, 3789..3923, 3835..3903, 3901..3927, 3917..4024, 3919..4011		

Seq. No.	46428	Seq. ID	OJ000126_11.0323.C12
Gene No.	98550	Strand	+
Start	3291	End	4910
Name	OJ000126_11.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	3816	End	4910
GI	none	Score	756
Exons	3816..4286, 3817..4908, 3818..4909, 3835..4905, 4341..4910		

Seq. No.	46428	Seq. ID	OJ000126_11.0323.C12
Gene No.	98550	Strand	+
Start	3291	End	4910
Name	OJ000126_11.0323.C12.o3.tw	Method	TBLASTX:Wheat
Start	3891	End	4110
GI	none	Score	99
Exons	3891..4001, 3894..3974, 3895..3978, 3958..4089, 3960..4073, 4077..4109, 4078..4110		

Seq. No.	46428	Seq. ID	OJ000126_11.0323.C12
Gene No.	98550	Strand	+
Start	3291	End	4910
Name	OJ000126_11.0323.C12.o3.tc	Method	TBLASTX:Cress
Start	4071	End	4231
GI	none	Score	194
Exons	4071..4226, 4082..4192, 4084..4227, 4089..4226, 4091..4231		

Seq. No.	46428	Seq. ID	OJ000126_11.0323.C12
Gene No.	98550	Strand	+
Start	3291	End	4910
Name	OJ000126_11.0323.C12.o4.ts	Method	TBLASTX:Soybean
Start	4216	End	4618
GI	none	Score	178
Exons	4216..4338, 4217..4339, 4217..4339, 4351..4464, 4351..4464, 4437..4616, 4463..4618, 4465..4617, 4466..4618		

Seq. No.	46428	Seq. ID	OJ000126_11.0323.C12
Gene No.	98550	Strand	+
Start	3291	End	4910
Name	OJ000126_11.0323.C12.o1.tw	Method	TBLASTX:Wheat
Start	4486	End	4896
GI	none	Score	42
Exons	4486..4545, 4537..4896, 4552..4893		

Seq. No.	46428	Seq. ID	OJ000126_11.0323.C12
Gene No.	98550	Strand	+

Start	3291	End	4910
Name	OJ000126_11.0323.C12.o1.tc	Method	TBLASTX:Cress
Start	4505	End	4909
GI	none	Score	365
Exons	4505..4726, 4507..4908, 4507..4908, 4781..4909		

Seq. No.	46428	Seq. ID	OJ000126_11.0323.C12
Gene No.	98550	Strand	+
Start	3291	End	4910
Name	OJ000126_11.0323.C12.o6.ts	Method	TBLASTX:Soybean
Start	4776	End	4910
GI	none	Score	199
Exons	4776..4910, 4777..4908, 4781..4909		

Seq. No.	46429	Seq. ID	OJ000126_11.0323.C13
Gene No.	98551	Strand	-
Start	1	End	1270
Name	OJ000126_11.0323.C13.o1.gp	Method	AAT/GAP
Start	1	End	247
GI	183_5.R1084	Score	462
Exons	1..247		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		

Seq. No.	46429	Seq. ID	OJ000126_11.0323.C13
Gene No.	98551	Strand	-
Start	1	End	1270
Name	OJ000126_11.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	1	End	245
GI	none	Score	423
Exons	1..237, 3..245, 3..245		

Seq. No.	46429	Seq. ID	OJ000126_11.0323.C13
Gene No.	98551	Strand	-
Start	1	End	1270
Name	OJ000126_11.0323.C13.o1.ts	Method	TBLASTX:Soybean
Start	1	End	440
GI	none	Score	89
Exons	1..57, 2..58, 3..59, 3..59, 67..159, 86..142, 174..212, 273..431, 274..429, 275..439, 300..440		

Seq. No.	46429	Seq. ID	OJ000126_11.0323.C13
Gene No.	98551	Strand	-
Start	1	End	1270
Name	OJ000126_11.0323.C13.o1.tc	Method	TBLASTX:Cress
Start	87	End	1270
GI	none	Score	110
Exons	87..182, 87..173, 180..206, 180..206, 182..211, 273..419, 280..411, 314..412, 376..447, 466..543, 467..547, 468..548, 540..611, 543..611, 544..612, 567..674, 581..649, 613..675, 671..802, 691..807, 693..800, 697..855, 747..854, 796..855, 873..920, 874..1050, 875..1057, 958..1059, 960..1058, 1084..1143, 1086..1145, 1088..1159, 1097..1150, 1152..1268,		

1154..1270

Seq. No.	46429	Seq. ID	OJ000126_11.0323.C13
Gene No.	98551	Strand	-
Start	1	End	1270
Name	OJ000126_11.0323.C13.o2.tm	Method	TBLASTX:Maize
Start	1092	End	1220
GI	none	Score	90
Exons	1092..1211, 1093..1218, 1093..1212, 1094..1216, 1095..1220		

Seq. No.	46430	Seq. ID	OJ000126_11.0323.C14
Gene No.	98552	Strand	+
Start	353	End	822
Name	OJ000126_11.0323.C14.o1.gp	Method	AAT/GAP
Start	353	End	822
GI	uC-osflcyp097b05b1	Score	907
Exons	353..822		
GI Descrip.	'140503/sp|P12173|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI intron ORF 133 [Oryza'		

Seq. No.	46430	Seq. ID	OJ000126_11.0323.C14
Gene No.	98553	Strand	-
Start	1468	End	1609
Name	OJ000126_11.0323.C14.o3.ts	Method	TBLASTX:Soybean
Start	1	End	357
GI	none	Score	74
Exons	1..39, 2..40, 34..135, 43..135, 48..137, 125..190, 128..190, 141..194, 272..307, 273..308, 311..355, 313..357, 318..356		

Seq. No.	46430	Seq. ID	OJ000126_11.0323.C14
Gene No.	98553	Strand	-
Start	1468	End	1609
Name	OJ000126_11.0323.C14.o2.tc	Method	TBLASTX:Cress
Start	44	End	390
GI	none	Score	129
Exons	44..136, 49..135, 51..137, 125..211, 141..212, 241..294, 243..290, 264..305, 266..310, 296..325, 303..389, 305..388, 312..389, 313..390		

Seq. No.	46430	Seq. ID	OJ000126_11.0323.C14
Gene No.	98553	Strand	-
Start	1468	End	1609
Name	OJ000126_11.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	45	End	556
GI	none	Score	301
Exons	45..236, 47..241, 48..236, 229..309, 243..305, 246..326, 255..554, 284..556		

Seq. No.	46430	Seq. ID	OJ000126_11.0323.C14
Gene No.	98553	Strand	-
Start	1468	End	1609
Name	OJ000126_11.0323.C14.o2.ts	Method	TBLASTX:Soybean

Start	768	End	1012
GI	none	Score	199
Exons	768..899, 768..905, 769..900, 889..945, 890..943, 952..1011, 952..1011, 953..1012		

Seq. No.	46430	Seq. ID	OJ000126_11.0323.C14
Gene No.	98553	Strand	-
Start	1468	End	1609
Name	OJ000126_11.0323.C14.o1.tc	Method	TBLASTX:Cress
Start	1031	End	1588
GI	none	Score	80
Exons	1031..1060, 1059..1148, 1062..1151, 1095..1418, 1126..1419, 1147..1416, 1152..1418, 1407..1586, 1414..1587, 1415..1588		

Seq. No.	46430	Seq. ID	OJ000126_11.0323.C14
Gene No.	98553	Strand	-
Start	1468	End	1609
Name	OJ000126_11.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	1351	End	1598
GI	none	Score	367
Exons	1351..1593, 1352..1594, 1353..1595, 1353..1598		

Seq. No.	46430	Seq. ID	OJ000126_11.0323.C14
Gene No.	98553	Strand	-
Start	1468	End	1609
Name	OJ000126_11.0323.C14.o2.gp	Method	AAT/GAP
Start	1468	End	1609
GI	688_1.R1084	Score	268
Exons	1468..1609		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	46431	Seq. ID	OJ000126_11.0323.C16
Gene No.	98554	Strand	-
Start	219	End	644
Name	OJ000126_11.0323.C16.o1.gp	Method	AAT/GAP
Start	219	End	644
GI	3073_1.R1084	Score	816
Exons	219..644		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	46431	Seq. ID	OJ000126_11.0323.C16
Gene No.	98555	Strand	-
Start	671	End	1033
Name	OJ000126_11.0323.C16.o2.gp	Method	AAT/GAP
Start	671	End	1033
GI	5455469	Score	657
Exons	671..1033		
GI Descrip.	131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza		

sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa]
>gi_226406_prf__15

Seq. No.	46431	Seq. ID	OJ000126_11.0323.C16
Gene No.	98556	Strand	-
Start	1396	End	1853
Name	OJ000126_11.0323.C16.o2.ts	Method	TBLASTX:Soybean
Start	1	End	568
GI	none	Score	72
Exons	1..51, 1..105, 2..52, 300..326, 302..325, 330..554, 330..554, 331..564, 416..568		

Seq. No.	46431	Seq. ID	OJ000126_11.0323.C16
Gene No.	98556	Strand	-
Start	1396	End	1853
Name	OJ000126_11.0323.C16.o2.tm	Method	TBLASTX:Maize
Start	202	End	631
GI	none	Score	155
Exons	202..291, 203..304, 203..304, 243..332, 247..306, 293..367, 293..361, 297..596, 298..612, 334..603, 413..631		

Seq. No.	46431	Seq. ID	OJ000126_11.0323.C16
Gene No.	98556	Strand	-
Start	1396	End	1853
Name	OJ000126_11.0323.C16.o3.tc	Method	TBLASTX:Cress
Start	349	End	596
GI	none	Score	265
Exons	349..564, 352..537, 411..545, 570..596		

Seq. No.	46431	Seq. ID	OJ000126_11.0323.C16
Gene No.	98556	Strand	-
Start	1396	End	1853
Name	OJ000126_11.0323.C16.o2.tc	Method	TBLASTX:Cress
Start	707	End	1075
GI	none	Score	397
Exons	707..1075, 725..1075		

Seq. No.	46431	Seq. ID	OJ000126_11.0323.C16
Gene No.	98556	Strand	-
Start	1396	End	1853
Name	OJ000126_11.0323.C16.o1.tw	Method	TBLASTX:Wheat
Start	881	End	1231
GI	none	Score	109
Exons	881..997, 1109..1231		

Seq. No.	46431	Seq. ID	OJ000126_11.0323.C16
Gene No.	98556	Strand	-
Start	1396	End	1853
Name	OJ000126_11.0323.C16.o3.ts	Method	TBLASTX:Soybean
Start	1109	End	1473
GI	none	Score	67
Exons	1109..1264, 1130..1264, 1291..1473		

Seq. No.	46431	Seq. ID	OJ000126_11.0323.C16
Gene No.	98556	Strand	-
Start	1396	End	1853
Name	OJ000126_11.0323.C16.o1.tc	Method	TBLASTX:Cress